



**REPORT**

# 2021 Semi-Annual Groundwater Monitoring & Corrective Action Report

*Georgia Power Company - Plant Scherer Ash Pond 1*

Submitted to:



**Georgia Power Company**

241 Ralph McGill Boulevard, NE, Atlanta, Georgia 30308

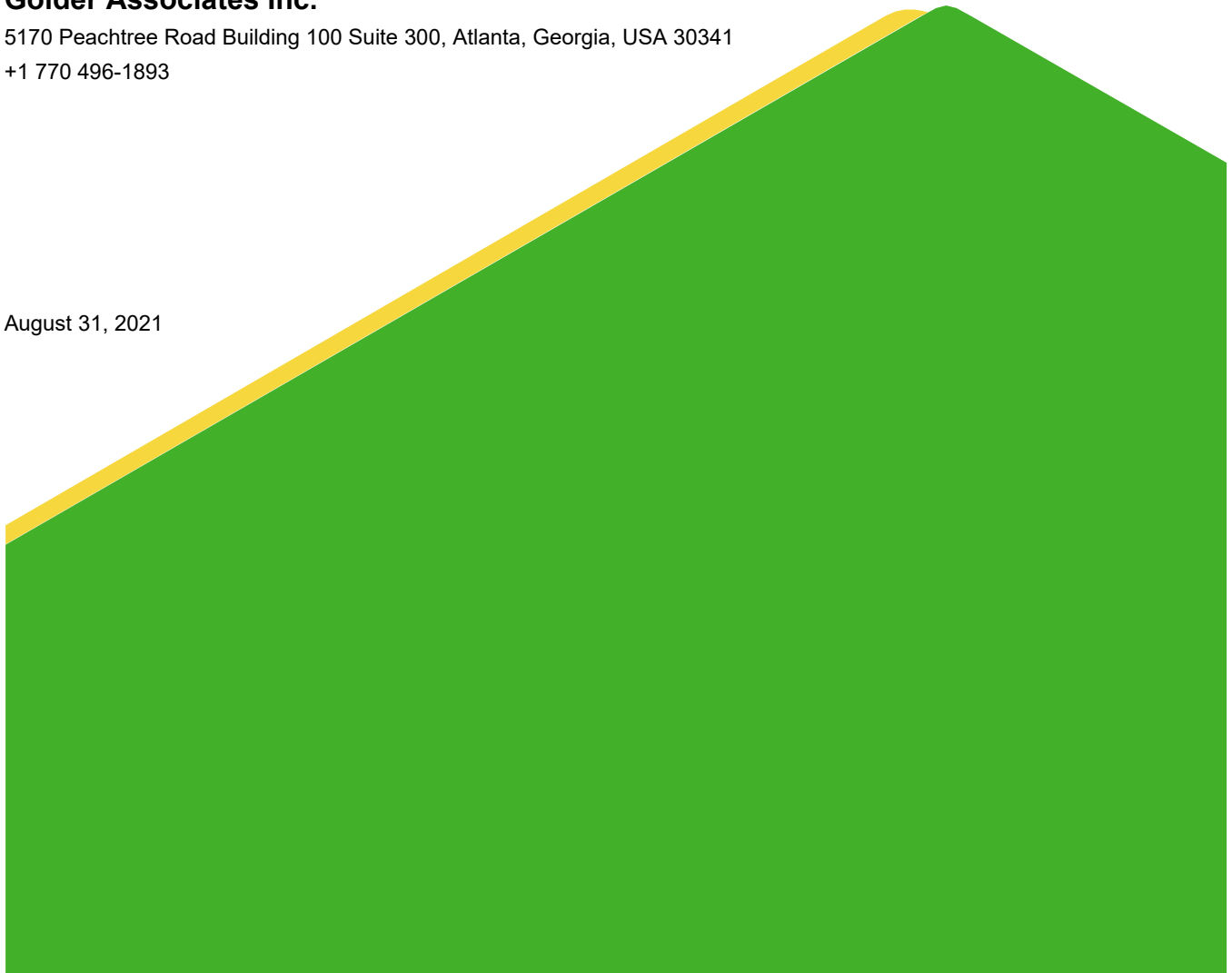
Submitted by:

**Golder Associates Inc.**

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341

+1 770 496-1893

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## Summary

This 2021 *Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 (AP-1, Site), Juliette, Monroe County, Georgia (GA) was prepared to document groundwater monitoring activities from January through July 2021 for AP-1. Groundwater monitoring and reporting for AP-1 is performed by Golder Associates Inc. (Golder) 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. 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.

Groundwater at AP-1 is monitored with a system comprised of upgradient and downgradient wells. The AP-1 groundwater monitoring well network consists of seven (7) upgradient and eighteen (18) downgradient wells installed to meet 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 monitoring results at AP-1, an assessment monitoring program has been implemented.



Plant Scherer

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 2021 semiannual reporting period, AP-1 remained in assessment monitoring. Groundwater elevation measurements were recorded at AP-1 monitoring wells 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 effectively monitors groundwater downgradient of the unit. Thus, there are no changes to the AP-1 certified monitoring network at AP-1 in 2021.



There are no changes to the AP-1 certified monitoring network in 2021. Groundwater monitoring events for AP-1 were conducted in February (Annual), and in March-April 2021 (semi-annual). Groundwater samples were collected and analyzed for both Appendix III and Appendix IV constituents from each of the monitoring wells.

Analytical data from the March-April 2021 monitoring event have been statistically analyzed in accordance with the site's certified statistical analysis method. The March-April 2021 semi-annual monitoring event statistical analyses, indicates SSLs above the statistical limit and SSLs above the groundwater protection standard as summarized below. The AP-1 network remains in assessment monitoring.

Appendix III Constituent	March-April 2021
Boron	SGWC-8, 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-7, SGWC-8, SGWC-9, SGWC-12, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22, SGWC-23
Chloride	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
Fluoride	SGWC-6, SGWC-7, SGWC-8, SGWC-15, SGWC-20
pH	SGWC-15, SGWC-18, SGWC-20
Sulfate	SGWC-7, SGWC-8, SGWC-9, SGWC-10, 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-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23
Appendix IV Constituent	March-April 2021
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, SGWC-20

An ASD was submitted to EPD on January 14, 2019, to address SSLs for cobalt identified at SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20. The ASD concluded that the source of the elevated concentrations of cobalt is not the result of a release from AP-1 but rather naturally occurring cobalt in subsurface aquifer materials. GA Environmental Protection Division (EPD) issued a letter of non-concurrence with the ASD report on August 20, 2021, while concurring with Georgia Power that cobalt occurs naturally in groundwater at the Site. In response, Georgia Power will initiate an assessment of corrective measures per Rule 394-3-4-.10(6)(d)4 and § 257.96.

Based on review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and assessment monitoring program during 2021 semiannual reporting period, the Site will remain in assessment monitoring for now. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to EPD semi-annually.

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## Certification Statement

This 2021 *Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company - 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] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Golder Associates.



8/31/2021

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Rachel P. Kirkman, PG  
Georgia Professional Geologist No. 1756

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Date

I hereby certify that this 2021 *Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company Plant Scherer-Ash Pond (AP-1) located at 10986 Georgia 87, Juliette, Georgia 31046, has been prepared to meet the requirements of 40 CFR §257.90(e).



8/31/2021

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W. Randall Sullivan, PE  
Georgia Professional Geologist No. 13030

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Date

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## 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 and the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10 (Georgia CCR Rule), Golder Associates Inc. (Golder) has prepared this Semi-Annual Groundwater Monitoring Report to document groundwater monitoring activities conducted through July 2021 at Georgia Power's Plant Scherer (Scherer) Ash Pond 1 (AP-1). This report includes the results of the annual monitoring for Appendix IV of 40 CFR 257 conducted in February 2021 and the first semi-annual monitoring event conducted in March-April 2021 for AP-1. For ease of reference, the USEPA CCR rules are cited within this report.

Due to statistically significant increases of Appendix III parameters, Georgia Power initiated an assessment monitoring program for AP-1 in 2018. Pursuant to § 257.95, Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semi-annual monitoring and reporting. A permit application for closure of AP-1 was submitted to GA EPD in November 2018 and is currently under review by EPD.

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 & 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 resulting 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.

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 mean sea level (ft msl) occurring along the ridge west of the ash pond, and a topographic low of less than 380 ft msl in the eastern portion of the site near Berry Creek.

### 1.2 Regional & Site Geology & 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 (Golder, 2020a).



Plant Scherer is located within the center of the East Juliette, GA United States Geological Survey (USGS) 7.5-minute topographic quadrangle. The Piedmont/Blue Ridge geologic province contains some of the oldest rocks in the Southeastern United States. Since their origin, approximately 276 to 1100 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.

The uppermost groundwater aquifer is within the overburden at the site. Boring logs and monitoring/piezometer installation logs were used to evaluate hydrostratigraphy of the site. Material types identified included residual soils, saprolitic soils, saprolitic rock [or partially weathered rock (PWR) if blow counts were provided], transitionally weathered rock, and competent bedrock. Residual 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 as 168 feet. Thickness of saprolitic soils and/or saprolitic rock range in thickness across the site. The saturated thickness of the overburden material ranges from 2 to over 40 feet. Based on review of the logs, the screen/filter pack interval for most of the piezometers and monitoring wells installed on site provides connection to the overburden, indicating that the site is underlain by a regional groundwater aquifer that occurs within the overburden.

Field hydraulic conductivity tests (i.e., slug tests) performed in a variety of geologic materials onsite indicate an average horizontal hydraulic conductivity on the order of  $10^{-4}$  centimeters per second (cm/s) with an average of 2.36 feet/day (ft/day) and a median of 1.31 ft/day. 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's AP-1 in accordance with § 257.91. 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 as determined by 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.

Additionally, a series of groundwater piezometers have been installed for gauging groundwater elevations. Table 1 also includes pertinent construction details for the AP-1 piezometer network at Plant Scherer. The detection

monitoring well network has been certified by a Registered Professional Engineer in Georgia with notice of that certification in the Plant Scherer Operating Record.

## 2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with 40 CFR §257.90(e), the following describes monitoring-related activities performed through June 2021 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 events completed for AP-1 in 2021.

### 2.1 Monitoring Well Installation and Maintenance

There was no change to the certified groundwater monitoring well network in 2021. Visual inspection of well conditions was conducted prior to sampling, including the well and surrounding area, as recorded on the Well Inspection Form in Appendix A.

Piezometer PZ-06S was decommissioned and abandoned on July 7, 2021. The piezometer was located in an area of ongoing construction activities and was therefore removed. Documentation of the abandonment is presented in *Piezometer Abandonment Report for PZ-06S* (Golder, 2021). A copy of this report is included in Appendix B.

### 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 documented in the *2017 Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2018). A notice of assessment monitoring was placed in the Plant Scherer Operating Record on May 15, 2018.

### 2.3 Additional Sampling

Additional sampling was conducted during this reporting period at several piezometers. Piezometers PZ-13S, PZ-14I, PZ-14S, PZ-25S, PZ-39S, PZ-41S, PZ-43S, PZ-44I were sampled for boron, cobalt, and lithium in ongoing support of the Risk Evaluation Report that was submitted to EPD on January 22, 2021. Results of the additional sampling of these piezometers are presented in Appendix A.

Cation and anions (i.e., bicarbonate/carbonate alkalinity, potassium, magnesium, and sodium) were also analyzed in samples collected from each of the detection monitoring wells (refer to Table 1). Results of this additional sampling are presented in Appendix A.

## 3.0 SAMPLE METHODOLOGY AND ANALYSIS

Groundwater sampling events were conducted for AP-1 in February and March-April 2021. During the February 2021 sampling event, groundwater samples were collected and analyzed for Appendix IV to meet the requirement of § 257.95(b). During the March-April 2021 semi-annual sampling event, groundwater samples were collected for Appendix III constituents and Appendix IV constituents detected during the February 2021 event at each detection monitoring well. Results of sampling activities conducted in 2021 are presented in Appendix A.

### 3.1 Groundwater Elevation Measurement

Prior to each sampling event, groundwater elevations were recorded from AP-1 monitoring wells and piezometers. Groundwater elevation data are summarized on Table 3. The recorded water level data were used to develop potentiometric surface elevation contour map as presented on Figures 3A and 3B. Review of Figures 3A and 3B shows that groundwater generally flows east/northeast/southeast across the site and is consistent with historical observations.

### 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, hydraulic conductivity of approximately 1.31 to 2.36 feet per day is used in the flow calculations. The hydraulic gradient was calculated between well pairs shown on Tables 4A and 4B. 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:

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

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

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

$$n_e = \text{Effective porosity}$$

Using this equation and groundwater elevation data from February and March 2021, horizontal groundwater velocities are calculated for various areas of the site and are tabulated on Tables 4A and 4B.

As presented on Tables 4A and 4B, groundwater flow velocities across at the site range from approximately 0.08 ft/day to 0.29 ft/day across AP-1 and are generally consistent with expected velocities in the regolith-upper bedrock aquifer. This groundwater flow velocity confirms the groundwater monitoring well network is properly located to monitor the uppermost aquifer for AP-1 at Plant Scherer.

### 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. During the purging of each well, field measurements of temperature, specific conductance, dissolved oxygen (DO), pH, and oxidation-reduction potential (ORP) were recorded using a SmarTroll® (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 for pH

- 5% for specific conductance
- $\pm 10\%$  for DO where DO > 0.5 milligrams per liter (mg/L); if DO < 0.5 mg/L, no stabilization criteria apply
- Turbidity measurements less than 5 nephelometric turbidity units (NTU)

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 generated directly from the SmarTroll® or Aqua TROLL 400 as well as chain-of-custody records are included in Appendix A.

Environmental monitoring field data sheets are included with the analytical reports in Appendix A. Field data and sampling notes for each monitoring well are recorded on the field information forms, which contains a description of the sampling equipment, sampling method, purge rate, field observations, and depth to water measurements at each monitoring location.

### 3.4 Laboratory Analyses

Groundwater samples were collected during two groundwater monitoring events in the first half of 2021. During the February 2021 sampling event, wells were sampled and analyzed for Appendix IV monitoring parameters pursuant to 40 CFR §257.95(b). The March-April 2021 sampling event represents the first semiannual sampling event in 2021 for AP-1 at Plant Scherer. Because AP-1 is currently in assessment monitoring, groundwater samples from AP-1 monitoring wells were analyzed for Appendix III and the detected Appendix IV monitoring parameters per 40 CFR Parts 257. Tables 5A and 5B, Analytical Data Summary, presents a tabulated summary of the 2021 sample results.

The required laboratory analyses were performed by Eurofins TestAmerica Laboratory (TAL) locations at Pittsburgh, Pennsylvania and St. Louis, Missouri. TAL 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 events are presented in Appendix A.

### 3.5 Quality Assurance & Quality Control Summary

During each sampling event, quality assurance/quality control samples (QA/QC) are collected at a rate of at least one sample per every 20 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 was evaluated during data validation and is included in Appendix A.

Groundwater quality data in this report was independently validated in accordance with US EPA Region IV Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017) 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, laboratory, and field duplicate relative percent difference (RPDs), field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data per US EPA procedures and guidance. Data validation summary reports prepared by Golder are included in Appendix A. Flagged data identified in the statistical analysis reports are described in the following section. The data are considered usable for meeting project objectives and the results are considered valid.

A value followed by a "J" flag in tables and laboratory reports indicate 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 level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

## 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 Resource Conservation and Recovery Act (RCRA) Facilities, Unified Guidance, March 2009, US EPA 530/R-09-007 (Unified Guidance). The Sanitas Groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA Unified Guidance (2009) document. A summary table of the statistical results accompanies the prediction limits for Appendix III and confidence intervals for Appendix IV in Appendix C.

The following table provides a summary of the statistical methodology used at AP-1 for the March-April 2021 monitoring event.

PLANT SCHERER AP-1 STATISTICAL METHOD SUMMARY		
Monitoring Well Network	Upgradient Wells	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
CCR Monitoring Parameters	Appendix III	boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
	Appendix IV	antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell statistical limits will be applied on a constituent basis, depending on the appropriateness of the method as determined by the Analysis of Variance
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable; nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	Verification Resample Plan (Optional)	1-of-3 with minimum of 8 samples per well for interwell testing. <ul style="list-style-type: none"> <li>▪ Initial statistical exceedance warrants independent resampling within 90 days.</li> </ul>



PLANT SCHERER AP-1 STATISTICAL METHOD SUMMARY		
		<ul style="list-style-type: none"> <li>▪ If resample passes, well/parameter is not a confirmed statistically significant increase (SSI).</li> <li>▪ If resample exceeds, well/parameter has a confirmed SSI.</li> </ul> If no resample is collected, the original result is deemed verified.

The following guidance is also applicable to the statistical analysis method:

- Statistical analyses are not performed on analytes containing 100% non-detects (US EPA Unified Guidance, 2009, Chapter 6).
- When data contain less than or equal to 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory.

#### 4.1.1 Appendix III Statistical Methods

Appendix III statistical analyses groundwater monitoring data was statistically evaluated through the use of 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), 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, Rule Specified Limit (RSLs) have been 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.

US EPA revised the Federal CCR Rule on July 30, 2018, providing updated GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Those updated GWPS have not yet been incorporated into the Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a); therefore, background concentrations are used when determining the GWPS for constituents where an MCL has not been established (or where background is higher than the MCL). Under the existing EPD rules, the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

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

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 for both the State and Federal rules. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the established standard, a statistically significant level (SSL) exceedance is identified.

Tolerance limits for confidence interval calculations are updated to include current data for each of the events. Due to varying reporting limits in background, the most recent reporting limit is used when data are not reported above detection limits.

## 4.2 Statistical Analysis Results

Analytical data from the semi-annual monitoring event conducted in March-April 2021 at AP-1 have been statistically analyzed in accordance with the Statistical Analysis Plan for AP-1. Verification resampling to confirm initial SSIs was not performed; therefore, initial SSIs are considered verified. The statistical results of the March-April monitoring event are included in Appendix C.

### 4.2.1 Appendix III Statistical Results-Semi-Annual 2021

Based on statistical results presented in Appendix C, SSIs of boron, calcium, chloride, fluoride, pH, sulfate, and TDS at various wells were identified following the March-April 2021 semi-annual monitoring event. A detailed list of the noted exceedances is provided in Appendix C. Based on review of the Appendix III statistical analyses results, concentrations of Appendix III constituents have not returned to background levels and assessment monitoring will continue pursuant to 40 CFR 257.94(f).

### 4.2.2 Assessment Monitoring Statistical Results- Semi-Annual 2021

Analytical data from the March-April 2021 monitoring event at AP-1 have been statistically analyzed in accordance with the AP-1 certified statistical analysis method. Review of the statistical results indicates that using the GWPS established according to both 40 CFR §257.95(h) and 391-3-4-.10(6)(a), the following SSLs were identified:

AP-1 Confidence Interval Statistically Significant Level Exceedances March-April 2021	
Appendix IV Parameter	AP-1 Monitoring Well
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20

## 4.3 Alternate Source Demonstration

In accordance with 40 CFR § 257.95, an alternate source demonstration (ASD) was submitted to EPD on January 14, 2019 to address cobalt at AP-1 (Golder, 2019). In summary, the ASD identified multiple lines of evidence that support the conclusion that the SSLs of cobalt present in compliance monitoring wells are not the result of impact by AP-1, but rather from an alternate, naturally occurring source. The following lines of evidence support an ASD for concentrations of cobalt in groundwater downgradient of AP-1:

- Absence of cobalt in porewater samples collected from AP-1;
- Presence of naturally occurring cobalt in soils/sediment, saprolite, and bedrock at Plant Scherer;
- Occurrence of cobalt in upgradient groundwater at concentrations above the RSL;
- Natural dissolution of cobalt into groundwater at low pH under natural aquifer environment based on site-specific mineralogical data and geochemical conditions; and
- Published sources of naturally occurring cobalt in groundwater.

Review of groundwater quality data since monitoring began at AP-1 in 2016, demonstrate a spatial variability in cobalt concentrations across the site including upgradient of AP-1. Although the GA EPD agrees that naturally occurring cobalt occurs at the site, they issued a letter of non-concurrence with the ASD. In response, Georgia Power will initiate an assessment of corrective measures (ACM) per Rule 394-3-4-.10(6)(d)4 and § 257.96.

## 5.0 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 parameters (cobalt) above the groundwater protection standard. On August 20, 2021 the GA EPD issued a letter of non-concurrence for the cobalt ASD. In response, Georgia Power will initiate an assessment of corrective measures (ACM) per Rule 394-3-4-.10(6)(d)4 and § 257.96.

## 6.0 CONCLUSIONS AND FUTURE ACTIONS

This 2021 *Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Plant Scherer Ash Pond 1 was prepared to fulfill the requirements of US EPA's 40 CFR §257.95 and Georgia 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 the first semi-annual 2021 event. The monitoring well network continues to effectively monitor the uppermost aquifer beneath AP-1 and assessment wells will be monitored in accordance with § 257.95.

Based on the findings presented herein, Plant Scherer will continue with assessment groundwater monitoring and initiate an ACM in response to the SSLs of cobalt based on the August 20, 2021, letter of non-concurrence for the cobalt ASD. The ACM report will be prepared following the requirements of § 257.96. The second semi-annual sampling event was completed during August 2021.

## 7.0 REFERENCES

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## TABLES & FIGURES



**TABLE 1**  
**SUMMARY OF MONITORING WELL AND PIEZOMETER INSTALLATION**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing <sup>[1]</sup>	NAD 83 Easting <sup>[1]</sup>	Ground Surface Elevation (feet NAVD88) <sup>[2]</sup>	Top of Casing Elevation (feet NAVD88) <sup>[2]</sup>	Well Depth (ft BTOC) <sup>[2]</sup>	Top of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Screen Length (feet)	Date of Installation
<b>ASH POND MONITORING WELL NETWORK</b>											
SGWA-1	Upgradient	Overburden	1119233.10	2399899.81	544.1	546.83	53.7	503.57	493.57	10	2/11/2015
SGWA-2	Upgradient	Bedrock	1119237.67	2399908.19	544.0	546.94	98.5	458.55	448.55	10	2/17/2015
SGWA-3	Upgradient	Overburden	1120224.15	2399296.64	542.9	545.83	53.0	502.88	492.88	10	11/18/2015
SGWA-4	Upgradient	Overburden	1121477.05	2401124.64	544.8	547.66	63.3	494.31	484.31	10	11/17/2015
SGWA-5	Upgradient	Overburden	1118088.42	2397426.26	505.7	508.48	32.8	485.53	475.53	10	11/18/2015
SGWC-6	Downgradient	Overburden	1122167.18	2401979.98	507.7	510.49	27.8	492.67	482.67	10	11/12/2015
SGWC-7	Downgradient	Bedrock	1122668.61	2402259.75	503.5	506.40	37.9	478.45	468.45	10	11/11/2015
SGWC-8	Downgradient	Overburden/Bedrock	1122865.98	2402979.50	511.5	514.28	42.8	481.48	471.48	10	11/11/2015
SGWC-9	Downgradient	Overburden	1122634.64	2403455.19	507.6	510.62	38.0	482.63	472.63	10	11/6/2015
SGWC-10	Downgradient	Overburden	1121895.85	2404046.92	506.6	509.41	32.8	486.60	476.60	10	11/5/2015
SGWC-11	Downgradient	Overburden	1121542.11	2404332.12	508.6	511.47	42.9	478.62	468.62	10	10/29/2015
SGWC-12	Downgradient	Overburden	1121576.75	2405009.92	497.7	500.53	50.4	460.70	450.70	10	10/30/2015
SGWC-13	Downgradient	Overburden	1121274.85	2405761.20	479.9	482.71	37.8	454.92	444.92	10	11/4/2015
SGWC-14	Downgradient	Overburden	1120966.13	2406329.89	473.3	476.72	38.7	448.52	438.52	10	2/24/2015
SGWC-15	Downgradient	Overburden	1120191.20	2407093.92	479.7	482.75	48.3	444.86	434.86	10	2/26/2015
SGWC-16	Downgradient	Overburden	1119221.42	2407155.89	457.0	460.31	43.5	428.23	418.23	10	3/3/2015
SGWC-17	Downgradient	Overburden	1118308.77	2407267.44	414.9	418.00	27.6	400.83	390.83	10	3/11/2015
SGWC-18	Downgradient	Overburden	1116947.75	2406931.32	510.3	513.29	47.5	476.21	466.21	10	3/17/2015
SGWC-19	Downgradient	Overburden	1116024.59	2406097.05	475.8	478.94	37.7	451.63	441.63	10	3/18/2015
SGWC-20	Downgradient	Overburden	1116020.73	2405307.67	501.5	504.60	28.1	486.49	476.49	10	11/19/2015
SGWC-21	Downgradient	Overburden	1115409.88	2404197.33	484.7	487.67	27.9	470.17	460.17	10	5/6/2015
SGWC-22	Downgradient	Overburden	1115540.08	2403001.81	515.4	518.02	52.7	478.91	468.91	10	1/22/2015
SGWC-23	Downgradient	Bedrock	1116693.80	2402131.07	520.0	523.10	52.8	480.72	470.72	10	2/3/2015
SGWA-24	Upgradient	Overburden	1118121.96	2400743.52	489.3	492.38	43.1	461.62	451.62	10	2/10/2015
SGWA-25	Upgradient	Overburen	1120555.28	2400857.08	523.2	526.49	48.3	488.60	478.60	10	2/18/2015

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**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing <sup>[1]</sup>	NAD 83 Easting <sup>[1]</sup>	Ground Surface Elevation (feet NAVD88) <sup>[2]</sup>	Top of Casing Elevation (feet NAVD88) <sup>[2]</sup>	Well Depth (ft BTOC) <sup>[2]</sup>	Top of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>[2]</sup>	Screen Length (feet)	Date of Installation
<b>PIEZOMETERS</b>											
PZ-2I	Downgradient	Bedrock	1115544.85	2402990.76	514.8	517.56	86.8	440.91	430.91	10	1/27/2015
PZ-3S	Downgradient	Overburden	1116085.04	2402533.80	514.4	517.29	52.9	474.77	464.77	10	1/29/2015
PZ-5I	Downgradient	Bedrock	1117484.15	2401816.71	520.6	523.26	49.8	484.03	474.03	10	2/4/2015
PZ-6S	Downgradient	Overburden	1117912.01	2401936.55	529.0	531.54	57.3	484.62	474.62	10	2/4/2015
PZ-9I	Upgradient	Bedrock	1120562.72	2400862.76	523.3	526.57	83.5	453.51	443.51	10	2/19/2015
PZ-10S	Downgradient	Overburden	1122338.03	2401768.92	514.4	517.53	38.1	489.88	479.88	10	5/5/2015
PZ-11S	Downgradient	Overburden	1123169.22	2402767.44	526.0	529.31	49.2	490.54	480.54	10	4/6/2015
PZ-12S	Downgradient	Overburden	1122684.90	2403618.46	514.5	517.69	47.5	480.54	470.54	10	4/1/2015
PZ-13S	Downgradient	Overburden	1121957.03	2404227.47	517.5	520.51	48.3	482.58	472.58	10	4/1/2015
PZ-14I	Downgradient	Bedrock	1121866.36	2404822.43	509.7	512.89	98.4	424.93	414.93	10	3/25/2015
PZ-14S	Downgradient	Overburden	1121852.80	2404820.56	508.7	512.13	48.4	474.18	464.18	10	3/26/2015
PZ-15S	Downgradient	Overburden	1121486.96	2405558.59	497.4	500.60	43.3	467.74	457.74	10	4/28/2015
PZ-17I	Downgradient	Bedrock	1120190.27	2407107.37	479.9	483.03	100.4	393.20	383.20	10	2/27/2015
PZ-19I	Downgradient	Bedrock	1118588.47	2407251.56	414.5	417.76	75.1	353.04	343.04	10	3/4/2015
PZ-19S	Downgradient	Overburden	1118587.24	2407241.54	414.5	417.80	28.3	399.94	389.94	10	3/4/2015
PZ-20I	Downgradient	Bedrock	1118318.15	2407273.36	414.3	417.41	82.7	345.11	335.11	10	3/10/2015
PZ-21S	Downgradient	Overburden	1117639.19	2407006.52	470.6	473.74	28.1	457.60	447.60	10	3/12/2015
PZ-25I	Downgradient	Overburden	1121837.80	2404573.04	525.8	528.39	128.6	410.97	400.97	10	5/24/2016
PZ-25S	Downgradient	Overburden	1121848.11	2404567.52	525.5	528.24	58.8	480.78	470.68	10	5/25/2016
PZ-26S	Downgradient	Overburden	1121696.65	2405733.23	489.1	491.65	48.6	454.27	444.27	10	6/1/2016
PZ-27D	Downgradient	Bedrock	1121558.94	2406023.17	472.4	475.43	129.0	367.61	347.61	20	6/17/2016
PZ-27S	Downgradient	Overburden	1121565.33	2406028.25	473.1	475.80	48.7	438.33	428.33	10	5/26/2016
PZ-28I	Downgradient	Bedrock	1121394.06	2406373.94	481.4	484.18	72.7	422.84	412.84	10	6/3/2016
PZ-29S	Downgradient	Overburden	1121269.19	2406618.29	488.5	491.31	48.8	453.70	443.70	10	5/26/2016
PZ-30I	Downgradient	Bedrock	1121073.53	2407078.99	475.6	478.31	89.8	400.46	390.46	10	6/2/2016
PZ-31I	Downgradient	Bedrock	1121204.03	2407445.73	464.0	466.89	79.9	399.06	389.06	10	6/2/2016
PZ-32D	Downgradient	Bedrock	1121089.64	2407719.37	462.4	465.42	129.6	366.56	336.56	30	6/1/2016

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<b>PIEZOMETERS - continued</b>											
PZ-32S	Downgradient	Overburden	1121089.22	2407698.44	462.3	465.06	59.8	417.47	407.47	10	6/1/2016
PZ-33I	Downgradient	Overburden	1121245.25	2409064.05	466.4	469.38	79.4	400.65	390.65	10	6/8/2016
PZ-34S	Downgradient	Overburden	1121331.59	2409288.37	440.8	443.67	48.8	405.53	395.53	10	6/4/2016
PZ-35I	Downgradient	Overburden	1121598.57	2406058.33	474.6	474.40	55.8	429.27	419.27	10	6/22/2016
PZ-36I	Downgradient	Bedrock	1120410.99	2407256.25	478.9	481.52	99.7	393.56	383.56	10	6/5/2016
PZ-36S	Downgradient	Overburden	1120401.04	2407248.04	479.4	482.35	59.0	434.40	424.40	10	8/22/2018
PZ-37I	Downgradient	Overburden/Bedrock	1121178.48	2408419.19	479.5	482.18	75.2	418.48	408.48	10	6/2/2016
PZ-38I	Downgradient	Overburden	1121475.86	2406352.98	482.2	482.24	76.0	418.43	408.43	10	6/23/2016
PZ-39S	Downgradient	Overburden	1120178.43	2407470.49	471.8	474.58	82.8	405.79	395.79	10	8/21/2018
PZ-40I	Downgradient	Bedrock	1116960.39	2406934.72	510.1	512.55	86.5	437.09	427.09	10	8/15/2018
PZ-41S	Downgradient	Overburden	1116799.18	2407124.98	488.6	491.50	47.9	453.56	443.56	5	8/16/2018
PZ-42I	Downgradient	Bedrock	1116013.79	2405294.12	500.5	503.18	107.7	414.45	404.45	10	8/21/2018
PZ-43S	Downgradient	Overburden	1115598.12	2405507.16	501.2	504.03	57.8	460.69	450.69	10	8/17/2018
PZ-44I	Downgradient	Bedrock	1121515.40	2404330.23	507.9	510.36	116.5	403.86	393.86	10	9/5/2018
PZ-45D	Downgradient	Bedrock	1125296.24	2400250.55	509.7	512.33	167.6	399.74	344.74	55	3/9/2020
PZ-46D	Downgradient	Overburden/Bedrock	1123512.22	2400923.25	447.1	450.28	56.7	423.57	393.57	30	3/17/2020
PZ-47D	Downgradient	Bedrock	1126623.42	2404366.80	406.8	410.01	29.2	396.66	381.66	15	3/11/2020
PZ-48S	Downgradient	Overburden	1125014.71	2405779.92	441.3	444.33	64.0	390.55	380.55	10	3/4/2020
PZ-49D	Downgradient	Bedrock	1123429.73	2410615.29	364.9	367.41	108.5	288.88	258.88	30	3/6/2020
PZ-49S	Downgradient	Overburden	1123434.46	2410605.99	365.2	367.89	27.7	350.19	340.19	10	3/7/2020
PZ-50D	Upgradient	Bedrock	1103125.91	2408306.87	470.7	473.78	103.1	380.66	370.66	10	3/18/2020
PZ-51D	Upgradient	Bedrock	1119239.99	2399955.07	543.2	546.04	128.9	427.17	417.17	10	3/8/2020
PZ-52	Downgradient	Overburden	1122822.91	2403622.69	519.4	521.84	79.4	452.43	442.43	10	3/17/2020
PZ-53	Downgradient	Overburden	1121932.34	2404813.43	513.6	516.64	48.0	478.61	468.61	10	3/19/2020
PZ-54	Downgradient	Overburden	1121509.71	2406555.15	490.2	492.96	47.8	455.17	445.17	10	3/19/2020
PZ-55	Downgradient	Overburden	1121931.60	2409132.43	444.2	447.21	39.1	418.15	408.15	10	3/20/2020

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<b>PIEZOMETERS - continued</b>											
PZ-56	Downgradient	Bedrock	1123524.68	2409037.21	430.8	433.68	48.8	395.10	385.10	10	3/19/2020
PZ-57	Downgradient	Overburden/Bedrock	1123405.64	2407361.88	436.4	439.51	62.1	387.45	377.45	10	3/19/2020
PZ-58	Downgradient	Overburden	1123299.43	2405207.09	489.3	492.21	49.0	453.25	443.25	10	3/16/2020
PZ-59D	Downgradient	Bedrock	1125229.89	2407668.93	382.9	385.86	72.0	328.86	313.86	15	3/27/2020
PZ-59S	Downgradient	Overburden	1125213.65	2407658.45	382.8	385.93	27.1	368.83	358.83	10	3/20/2020
PZ-60D	Downgradient	Bedrock	1124410.72	2408242.87	386.4	389.34	102.9	317.03	286.73	30	3/29/2020
PZ-60S	Downgradient	Overburden	1124400.44	2408243.59	386.4	389.88	23.5	376.36	366.36	10	3/31/2020
PZ-61	Downgradient	Overburden/Bedrock	1122537.21	2408531.43	436.8	439.27	52.5	397.34	387.34	10	4/11/2020
PZ-62	Downgradient	Overburden	1122370.34	2406175.11	498.3	501.32	55.1	456.00	446.00	10	4/9/2020
PZ-63	Downgradient	Bedrock	1123955.38	2404060.61	498.9	501.54	42.7	468.87	458.87	10	4/12/2020
PZ-64	Downgradient	Bedrock	1123724.36	2406404.18	476.0	479.52	72.5	416.99	406.99	10	4/8/2020
PZ-65	Downgradient	Overburden	1121937.16	2407733.04	429.6	432.42	32.8	409.57	399.57	10	4/11/2020
PZ-66D	Downgradient	Bedrock	1124644.48	2409028.45	424.4	427.60	269.2	-	-	open borehole	4/2/2020
PZ-66	Downgradient	Bedrock	1124664.10	2409115.98	418.4	421.24	62.9	373.38	358.38	15	5/8/2020
PZ-67D	Downgradient	Bedrock	1125764.81	2408259.40	424.7	428.48	304.8	-	-	open borehole	4/1/2020
PZ-67	Downgradient	Overburden	1125782.26	2408248.89	423.2	425.94	42.7	393.47	383.47	10	4/25/2020
PZ-68	Downgradient	Overburden	1125116.59	2407181.92	392.1	395.55	23.4	382.14	372.14	10	4/15/2020
LPZ-01	Upgradient	Overburden/Bedrock	1117001.58	2398513.19	550.0	553.29	69.1	495.97	485.97	10	11/10/2015
LPZ-02	Upgradient	Overburden	1119972.34	2398004.93	511.1	514.52	23.4	501.07	491.07	10	11/20/2015
LPZ-03	Upgradient	Overburden	1117883.86	2398657.00	512.2	515.45	38.3	487.15	477.15	10	11/18/2015
LPZ-04	Upgradient	Overburden	1115962.59	2397083.47	458.1	461.24	43.1	440.11	430.11	10	11/19/2015
LPZ-05	Upgradient	Overburden	1115328.95	2399698.53	521.5	524.51	106.4	479.41	469.41	10	11/5/2015

**Notes:**

ft = feet; feet bgs = feet below ground surface; ft BTOC = feet below top of casing

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.

(2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.

(3) Total well depth accounts for sump if data provided on well construction logs.

(4) - = not applicable

**TABLE 2**  
**GROUNDWATER SAMPLING EVENT SUMMARY**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Well ID	Hydraulic Location	Summary of Sampling Event		Status of Monitoring Well
		February 2021	March 2021	
Purpose of Sampling Event		Annual Appendix IV Scan	Detection / Assessment	
<b>ASH POND (AP-1)</b>				
SGWA-1	Upgradient	X	X	Assessment
SGWA-2	Upgradient	X	X	Assessment
SGWA-3	Upgradient	X	X	Assessment
SGWA-4	Upgradient	X	X	Assessment
SGWA-5	Upgradient	X	X	Assessment
SGWC-6	Downgradient	X	X	Assessment
SGWC-7	Downgradient	X	X	Assessment
SGWC-8	Downgradient	X	X	Assessment
SGWC-9	Downgradient	X	X	Assessment
SGWC-10	Downgradient	X	X	Assessment
SGWC-11	Downgradient	X	X	Assessment
SGWC-12	Downgradient	X	X	Assessment
SGWC-13	Downgradient	X	X	Assessment
SGWC-14	Downgradient	X	X	Assessment
SGWC-15	Downgradient	X	X	Assessment
SGWC-16	Downgradient	X	X	Assessment
SGWC-17	Downgradient	X	X	Assessment
SGWC-18	Downgradient	X	X	Assessment
SGWC-19	Downgradient	X	X	Assessment
SGWC-20	Downgradient	X	X	Assessment
SGWC-21	Downgradient	X	X	Assessment
SGWC-22	Downgradient	X	X	Assessment
SGWC-23	Downgradient	X	X	Assessment
SGWA-24	Upgradient	X	X	Assessment
SGWA-25	Upgradient	X	X	Assessment



**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>ASH POND</b>			
SGWA-1	546.83	508.35	509.83
SGWA-2	546.94	508.94	510.62
SGWA-3	545.83	513.35	515.17
SGWA-4	547.66	500.23	500.42
SGWA-5	508.48	493.98	494.88
SGWC-6	510.49	497.15	497.74
SGWC-7	506.40	493.59	494.16
SGWC-8	514.28	493.22	493.63
SGWC-9	510.62	490.16	490.62
SGWC-10	509.41	491.67	491.96
SGWC-11	511.47	492.38	492.63
SGWC-12	500.53	485.18	485.31
SGWC-13	482.71	478.56	478.40
SGWC-14	476.72	466.41	466.37
SGWC-15	482.75	455.05	455.64
SGWC-16	460.31	436.11	437.11
SGWC-17	418.00	416.87	417.70
SGWC-18	513.29	BTOP	BTOP
SGWC-19	478.94	463.34	463.76
SGWC-20	504.60	491.05	491.55
SGWC-21	487.67	486.92	487.57
SGWC-22	518.02	492.27	493.04
SGWC-23	523.10	492.59	493.37
SGWA-24	492.38	478.57	479.08
SGWA-25	526.49	500.74	501.39
<b>PIEZOMETERS</b>			
PZ-2I	517.563	491.60	492.54
PZ-3S	517.292	489.47	490.36
PZ-5I	523.256	487.13	487.32
PZ-6S	531.537	494.89	496.12

**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>PIEZOMETERS - continued</b>			
PZ-9I	526.57	501.03	501.86
PZ-10S	517.528	496.39	497.18
PZ-11S	529.314	492.12	492.49
PZ-12S	517.685	488.72	489.07
PZ-13S	520.507	490.10	490.71
PZ-14S	512.129	487.69	488.46
PZ-14I	512.89	487.68	488.47
PZ-15S	500.60	481.88	481.69
PZ-17I	483.03	455.33	456.22
PZ-19I	417.76	414.46	415.39
PZ-19S	417.80	413.86	414.95
PZ-20I	417.41	414.81	415.01
PZ-21S	473.736	464.32	464.97
PZ-25S	528.24	489.63	500.59
PZ-25I	528.39	489.50	490.53
PZ-26S	491.65	475.73	476.25
PZ-27S	475.80	471.21	472.21
PZ-27D	475.43	474.20	474.93
PZ-28I	484.18	466.63	467.16
PZ-29S	491.31	461.42	461.75
PZ-30I	478.31	449.07	450.12
PZ-31I	466.89	438.12	439.37
PZ-32S	465.06	440.10	441.36
PZ-32D	465.42	438.03	439.17
PZ-33I	469.38	425.62	427.87
PZ-34S	443.67	426.43	427.81
PZ-35I	474.40	470.99	472.07
PZ-36S	482.35	449.54	451.15
PZ-36I	481.52	451.57	452.92
PZ-37I	482.18	434.19	434.03

**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>PIEZOMETERS - continued</b>			
PZ-38I	482.24	467.28	467.89
PZ-39S	474.58	440.70	442.48
PZ-40I	512.55	474.11	474.55
PZ-41S	491.50	461.84	461.69
PZ-42I	503.18	492.75	493.38
PZ-43S	504.03	481.24	481.73
PZ-44I	510.36	491.84	492.31
PZ-45D	512.33	486.61	488.77
PZ-46D	450.28	439.41	440.06
PZ-47D	410.01	400.37	400.75
PZ-48S	444.33	410.93	411.73
PZ-49S	367.89	361.21	361.74
PZ-49D	367.41	362.37	362.96
PZ-50D	478.01	450.26	451.01
PZ-51D	546.04	508.58	510.21
PZ-52	521.84	488.10	488.59
PZ-53	516.64	487.36	488.35
PZ-54	492.96	462.35	462.97
PZ-55	447.21	423.06	424.31
PZ-56	433.68	393.74	394.10
PZ-57	439.51	405.60	405.84
PZ-58	492.21	450.66	450.53
PZ-59S	385.93	382.00	382.33
PZ-59D	385.86	381.69	382.06
PZ-60S	389.88	381.71	383.04
PZ-60D	389.34	384.19	385.39
PZ-61	439.27	420.84	421.67
PZ-62	501.32	461.65	462.25
PZ-63	501.54	483.06	483.32

**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>PIEZOMETERS - continued</b>			
PZ-64	479.52	433.71	433.67
PZ-65	432.42	416.31	416.92
PZ-66	421.24	386.76	387.47
PZ-66D	427.60	380.33	380.85
PZ-67	425.94	401.42	402.14
PZ-67D	428.48	385.87	386.86
PZ-68	395.55	388.77	389.11
LPZ-01	553.288	496.78	496.64
LPZ-02	514.515	511.92	512.40
LPZ-03	515.454	507.22	508.70
LPZ-04	461.236	447.59	448.59
LPZ-05	524.511	479.01	479.05



**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>CELL 1</b>			
GWC-1	374.95	367.60	368.36
GWC-2	380.219	368.52	369.36
GWC-3	410.435	373.35	372.82
GWC-4	411.745	380.25	380.65
GWC-5	396.69	377.86	378.76
GWC-6	415.80	377.88	378.72
GWC-7	418.272	376.40	376.71
GWC-8A	401.62	379.27	379.81
GWC-9	386.178	379.53	380.11
GWC-10	392.872	383.12	383.57
GWC-11	402.329	385.73	386.15
GWC-12	412.887	389.19	390.07
GWC-13	419.77	391.02	391.66
GWC-14	403.596	391.75	392.74
GWA-15	415.009	404.98	405.80
GWA-16	444.241	413.32	414.05
GWA-17	445.84	416.34	417.24
GWC-18	439.656	406.66	407.09
GWC-19	430.195	394.20	394.98
GWC-20	426.303	382.65	383.18

**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>PAC ASH CELL</b>			
GWA-21	422.58	419.36	420.09
GWA-22	444.498	422.30	423.54
GWC-29	399.642	394.15	394.33
GWA-45	451.084	436.98	438.89
GWA-46	461.127	430.13	430.63
GWA-47	465.769	427.49	427.57
GWA-48	461.733	425.73	426.02
GWA-49	432.881	423.78	425.73
GWC-50	407.16	399.01	399.65
GWC-51	410.146	401.90	402.10
GWC-52	417.131	408.11	408.01
GWC-53	435.829	426.03	426.70



**TABLE 3.**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power - Plant Scherer**  
**Juliette, GA**

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATION	
		2/8/2021	3/29/2021
<b>CELL 3</b>			
GWA-39	457.617	431.22	432.40
GWA-40	463.841	431.49	432.66
GWA-41	434.118	424.42	425.33
GWA-42	405.188	400.49	400.91
GWA-43	400.937	397.19	397.71
GWA-44A	399.617	396.12	396.24
GWA-54	451.494	427.72	428.35
GWC-30	394.493	389.09	389.89
GWC-31	392.776	387.58	387.91
GWC-32	410.032	386.82	387.26
GWC-33A	393.963	384.06	384.65
GWC-34	389.287	381.99	382.20
GWC-35	387.895	382.90	383.62
GWC-36	425.119	393.12	394.41
GWC-37	429.804	405.58	406.08
GWC-38	418.682	407.18	408.37

**Notes:**

Feet MSL = feet above mean sea level

NM = Not Measured



**TABLE 4A**  
**HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS -**  
**Ash Pond 1 - February 2021**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	$\Delta H$ (feet) <sup>2</sup>	$\Delta L$ (feet) <sup>3</sup>	Hydraulic Gradient ( $\Delta h/\Delta l$ )	Average Hydraulic Conductivity, K (feet per day) <sup>5</sup>	Assumed Effective Porosity ( $n_e$ )	Average Linear Groundwater Velocity	
							(feet per day) <sup>4</sup>	(feet per year) <sup>4</sup>
<b>AP-1 February 2021</b>								
SGWC-14/PZ-29S	466.41	4.98	400	0.012	1.31 to 2.36	0.2	0.08 to 0.15	30 to 54
	461.42							
SGWC-13/PZ-35I	478.56	7.57	400	0.019	1.31 to 2.36	0.2	0.12 to 0.22	45 to 82
	470.99							
SGWC-20/PZ-43S	492.75	11.51	468	0.025	1.31 to 2.36	0.2	0.16 to 0.29	59 to 106
	481.24							

Notes:

1.  $\Delta H$  = Change in groundwater elevation
2.  $\Delta L$  = Distance along flow path
3.  $I = \Delta H / \Delta L$
4. Velocity =  $(I * K)/n_e$
5. Hydraulic conductivity range based on historic aquifer performance tests (revised 3/2017)
6. Effective porosity based on default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1996)

**TABLE 4B**  
**HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS**  
**Ash Pond 1 - March 2021**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	$\Delta H$ (feet) <sup>2</sup>	$\Delta L$ (feet) <sup>3</sup>	Hydraulic Gradient ( $\Delta h/\Delta l$ )	Average Hydraulic Conductivity, K (feet per day) <sup>5</sup>	Assumed Effective Porosity ( $n_e$ )	Average Linear Groundwater Velocity	
							(feet per day) <sup>4</sup>	(feet per year) <sup>4</sup>
<b>AP-1 March 2021</b>								
SGWC-14/PZ-29S	466.37	4.61	400	0.012	1.31 to 2.36	0.2	0.08 to 0.14	28 to 50
	461.75							
SGWC-13/PZ-35I	478.40	6.33	400	0.016	1.31 to 2.36	0.2	0.10 to 0.19	38 to 68
	472.07							
SGWC-20/PZ-43S	491.55	9.82	468	0.021	1.31 to 2.36	0.2	0.14 to 0.25	50 to 90
	481.73							

Notes:

1.  $\Delta H$  = Change in groundwater elevation
2.  $\Delta L$  = Distance along flow path
3.  $I = \Delta H / \Delta L$
4. Velocity =  $(I * K)/n_e$
5. Hydraulic conductivity range based on historic aquifer performance tests (revised 3/2017)
6. Effective porosity based on default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1996)

**TABLE 5A**  
**ANALYTICAL DATA SUMMARY**  
**Ash Pond 1 - February 2021**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Analyte	Units	MCL	GROUNDWATER MONITORING WELLS														
			SGWA-1	SGWA-2	SGWA-3	SGWA-4	SGWA-5	SGWA-24	SGWA-25	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13
			Sample Date:	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021	2/9/2021
<b>Appendix III</b>																	
BORON, TOTAL	mg/L	N/R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM, TOTAL	mg/L	N/R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHLORIDE, TOTAL	mg/L	N/R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORIDE, TOTAL	mg/L	4	< 0.026	0.055 J	< 0.026	0.059 J	< 0.026	0.059 J	0.037 J	0.12	0.22	0.37	0.050 J	< 0.026	< 0.026	0.074 J	< 0.026
pH	S.U.	N/R	5.25	6.75	5.80	6.38	5.53	6.40	6.06	6.34	6.42	6.35	6.21	5.23	5.24	6.13	5.98
SULFATE, TOTAL	mg/L	N/R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL DISSOLVED SOLIDS	mg/L	N/R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Appendix IV</b>																	
ANTIMONY, TOTAL	mg/L	0.006	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.01	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	2	0.043	0.037	0.035	0.065	0.010	0.023	0.025	0.12	0.26	0.18	0.054	0.028	0.043	0.058	0.036
BERYLLIUM, TOTAL	mg/L	0.004	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	0.005	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.1	< 0.0015	0.014	0.019	0.0053	< 0.0015	0.0052	0.0023	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	N/R	0.0013 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00023 J	0.0011 J	< 0.00013	0.0069	< 0.00013	0.0032	0.030	0.019	0.0014 J	0.0024 J
LEAD, TOTAL	mg/L	0.015	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00014 J	0.00062 J	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013
LITHIUM, TOTAL	mg/L	N/R	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	0.0052	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034
MERCURY, TOTAL	mg/L	0.002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MOLYBDENUM, TOTAL	mg/L	N/R	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	0.0014 J	< 0.00061	0.00063 J	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	5	0.427 U	0.467 U	0.422 U	0.350 U	0.350 U	0.361 U	0.478	0.420 U	0.721	2.92	0.382 U	0.376 U	0.433 U	0.374 U	0.345 U
SELENIUM, TOTAL	mg/L	0.05	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
THALLIUM, TOTAL	mg/L	0.002	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015

**NOTES:**

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. Radium data is 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 5A**  
**ANALYTICAL DATA SUMMARY**  
**Ash Pond 1 - February 2021**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS									
		SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
		2/9/2021	2/9/2021	2/9/2021	2/10/2021	2/10/2021	2/10/2021	2/10/2021	2/10/2021	2/10/2021	2/10/2021
<b>Appendix III</b>											
BORON, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--
CALCIUM, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--
CHLORIDE, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--
FLUORIDE, TOTAL	mg/L	< 0.026	0.14	< 0.026	0.030 J	< 0.026	< 0.026	0.19	0.049 J	< 0.026	0.046 J
pH	S.U.	5.85	4.63	5.22	6.23	4.80	5.55	4.22	6.21	5.58	5.85
SULFATE, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--
TOTAL DISSOLVED SOLIDS	mg/L	--	--	--	--	--	--	--	--	--	--
<b>Appendix IV</b>											
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	< 0.00031	0.0013	< 0.00031	0.00038 J	0.0033	< 0.00031	0.00059 J	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.046	0.029	0.030	0.023	0.016	0.031	0.023	0.12	0.078	0.066
BERYLLIUM, TOTAL	mg/L	< 0.00018	0.00044 J	< 0.00018	0.00028 J	0.00036 J	0.00019 J	0.00090 J	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	0.00030 J	< 0.00022	< 0.00022	0.00035 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.035	0.012	0.0080	0.010	0.015	< 0.0015	< 0.0015	0.0015 J	0.0017 J
COBALT, TOTAL	mg/L	0.0052	0.26	0.0045	0.00049 J	0.11	0.00013 J	0.17	0.00017 J	0.0015 J	< 0.00013
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00017 J	0.00029 J	< 0.00013	0.00030 J	0.00016 J	0.00016 J	< 0.00013
LITHIUM, TOTAL	mg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	0.0055	< 0.0034	0.0047 J	< 0.0034	< 0.0034	< 0.0034
MERCURY, TOTAL	mg/L	< 0.00013	0.00013 J	< 0.00013	< 0.00013	0.00018 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MOLYBDENUM, TOTAL	mg/L	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	0.404 U	0.323 U	0.407 U	0.550	0.457 U	0.436 U	0.468 U	0.500	0.401 U	0.460
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0016 J	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00024 J	0.00068 J	< 0.00015	0.00025 J	< 0.00015	< 0.00015	< 0.00015

**NOTES:**

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. Radium data is 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 5B**  
**ANALYTICAL DATA SUMMARY**  
**Ash Pond 1- March-April 2021**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Analyte	Units	GROUNDWATER MONITORING WELLS														
		SGWA-1	SGWA-2	SGWA-3	SGWA-4	SGWA-5	SGWA-24	SGWA-25	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13
		3/30/2021	3/30/2021	3/31/2021	3/31/2021	3/31/2021	3/30/2021	4/7/2021	4/1/2021	4/1/2021	4/1/2021	3/31/2021	3/31/2021	4/7/2021	4/7/2021	4/7/2021
<b>Appendix III</b>																
BORON, TOTAL	mg/L	0.041 J	0.045 J	< 0.039	< 0.039	< 0.039	0.072 J	< 0.039	< 0.039	0.069 J	0.14	1.5	0.15	0.68	< 0.039	0.59
CALCIUM, TOTAL	mg/L	2.2	12	5.5	17	1.6	15	9.5	11	22	52	47	2.3	1.9	23	19
CHLORIDE, TOTAL	mg/L	2.3	1.6	2.3	1.6	2.1	2.5	2.3	2.4	6	12	16	9.2	8.8	9.0	10
FLUORIDE, TOTAL	mg/L	< 0.026	0.048 J	< 0.026	0.051 J	< 0.026	0.052 J	0.054 J	0.14	0.25	0.38	0.073 J	0.047 J	< 0.026	0.066 J	0.053 J
pH	S.U.	5.28	6.73	5.72	6.33	5.50	6.27	6.12	6.31	6.44	6.32	6.20	5.30	5.18	6.44	6.07
SULFATE, TOTAL	mg/L	1.2	< 0.76	1.1	1.1	< 0.76	< 0.76	< 0.76	< 0.76	18	74	240	15	1.3	54	96
TOTAL DISSOLVED SOLIDS	mg/L	32	110	57	120	35	110	95	83	200	360	430	64	40	210	200
<b>Appendix IV</b>																
ANTIMONY, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00044 J	< 0.00031	0.00033 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.047	0.039	0.041	0.068	0.011	0.022	0.026	0.12	0.26	0.17	0.061	0.036	0.046	0.058	0.037
BERYLLIUM, TOTAL	mg/L	0.00025 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.0026	0.014	0.018	0.0037	< 0.0015	0.0047	0.0024	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	0.0013 J	0.00021 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.0013 J	< 0.00013	0.0029	< 0.00013	0.0046	0.026	0.019	0.0017 J	0.0018 J
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00015 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
LITHIUM, TOTAL	mg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	0.0053	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MOLYBDENUM, TOTAL	mg/L	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	0.00090 J	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	0.408 U	0.311 U	0.106 U	0.236 U	0.279 U	-0.211 U	0.0851 U	0.544	0.329 U	2.26	0.153 U	0.188 U	0.0576 U	0.0695 U	0.356 U
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
THALLIUM, TOTAL	mg/L	0.00035 J	0.00034 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00023 J	0.00042 J	0.00021 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015

**NOTES:**

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. Radium data is 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 5B**  
**ANALYTICAL DATA SUMMARY**  
**Ash Pond 1- March-April 2021**  
 Georgia Power Company - Plant Scherer  
 Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS									
		SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
		4/6/2021	3/31/2021	4/1/2021	4/1/2021	3/30/2021	3/30/2021	3/30/2021	3/30/2021	3/31/2021	3/31/2021
<b>Appendix III</b>											
BORON, TOTAL	mg/L	1.6	1.4	0.55	0.31	6.4	1.9	1.6	1.1	0.47	0.51
CALCIUM, TOTAL	mg/L	42	17	1.2	57	68	50	14	41	30	24
CHLORIDE, TOTAL	mg/L	11	11	9.2	9.2	11	8.3	9.9	13	11	11
FLUORIDE, TOTAL	mg/L	< 0.026	0.12	< 0.026	0.051 J	0.10 J	< 0.026	0.18	0.074 J	< 0.026	0.046 J
pH	S.U.	5.84	4.77	5.24	6.25	4.82	5.57	4.32	6.17	5.73	5.93
SULFATE, TOTAL	mg/L	190	200	37	210	960	270	220	140	120	75
TOTAL DISSOLVED SOLIDS	mg/L	320	300	88	410	1500	420	350	380	240	220
<b>Appendix IV</b>											
ANTIMONY, TOTAL	mg/L	--	--	--	--	--	--	--	--	--	--
ARSENIC, TOTAL	mg/L	< 0.00031	0.0012	0.00033 J	< 0.00031	0.0028	< 0.00031	0.00049 J	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.048	0.028	0.029	0.022	0.015	0.030	0.021	0.12	0.072	0.059
BERYLLIUM, TOTAL	mg/L	< 0.00018	0.00045 J	< 0.00018	< 0.00018	0.00025 J	0.00018 J	0.00058 J	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	0.00027 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.034	0.012	0.0046	0.0098	0.014	< 0.0015	< 0.0015	< 0.0015	0.0016 J
COBALT, TOTAL	mg/L	0.0072	0.26	0.0049	0.00041 J	0.11	< 0.00013	0.15	0.00016 J	0.0011 J	< 0.00013
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00018 J	0.00020 J	0.00015 J	< 0.00013
LITHIUM, TOTAL	mg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	0.0043 J	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034
MERCURY, TOTAL	mg/L	< 0.00013	0.00018 J	< 0.00013	< 0.00013	0.00022	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013
MOLYBDENUM, TOTAL	mg/L	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	-0.0391 U	0.311 U	0.0901 U	0.0517 U	0.439 U	0.511	0.572	0.955	0.0687 U	0.370 U
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
THALLIUM, TOTAL	mg/L	0.00017 J	< 0.00015	< 0.00015	< 0.00015	0.00024 J	< 0.00015	0.00018 J	< 0.00015	< 0.00015	< 0.00015

**NOTES:**

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. Radium data is 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  
 Juliette, Georgia

Analyte	Units	Maximum Contaminant Level (MCL)	Rule Specified Limit	Site Specific Background March-April 2021 <sup>[1]</sup>	Federal GWPS <sup>[2]</sup>	State GWPS <sup>[3]</sup>
Antimony	mg/L	0.006	--	0.0021	0.006	0.006
Arsenic	mg/L	0.01	--	0.0015	0.01	0.01
Barium	mg/L	2	--	0.071	2	2
Beryllium	mg/L	0.004	--	0.0025	0.004	0.004
Cadmium	mg/L	0.005	--	0.0025	0.005	0.005
Chromium	mg/L	0.1	--	0.021	0.1	0.1
Cobalt	mg/L	NA	0.006	0.02	0.02	0.02
Fluoride	mg/L	4	--	0.11	4	4
Lead	mg/L	NA	0.015	0.001[4]	0.015	0.001
Lithium	mg/L	NA	0.04	0.005[4]	0.04	0.005
Mercury	mg/L	0.002	--	0.0005	0.002	0.002
Molybdenum	mg/L	NA	0.1	0.015	0.1	0.015
Radium (226 + 228)	pCi/L	5	--	1.2	5	5
Selenium	mg/L	0.05	--	0.005	0.05	0.05
Thallium	mg/L	0.002	--	0.001	0.002	0.002

Notes:

mg/L = milligrams per liter; pCi/L = picocuries per liter; NA = Not Available

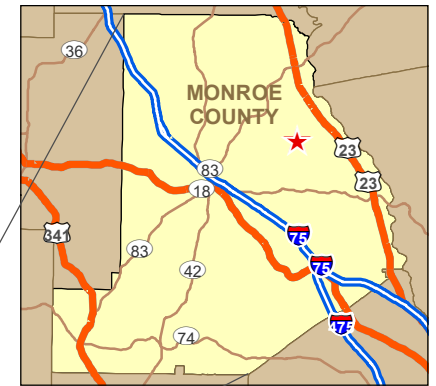
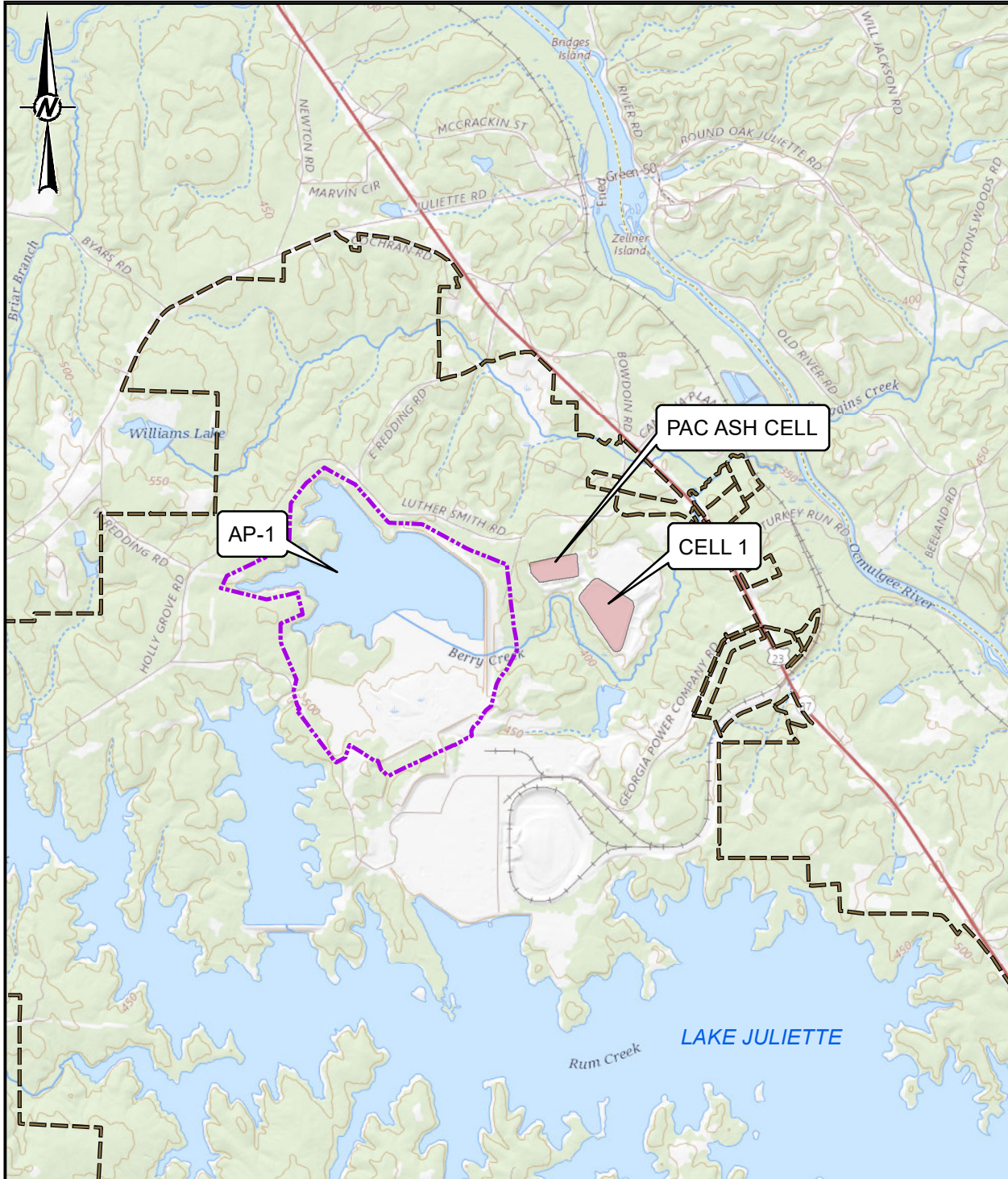
[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

[2] Under 40 CFR §257(h)(1-3) the GWPS is: (i) the MCL/RSL, (ii) where the MCL is not established, the background concentration, or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

[3] Under existing EPD rules, the GWPS is: (i) the MCL, (ii) where the MCL is not established, the background concentration, or (iii) background levels for constituents where the background level is higher than the MCL.

[4] 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.

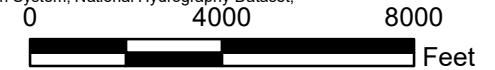




**LEGEND**

- 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,



CLIENT  
 GEORGIA POWER COMPANY  
 PLANT SCHERER



PROJECT  
 2021 SEMI-ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT  
 PLANT SCHERER - ASH POND 1

TITLE  
**SITE LOCATION MAP**

CONSULTANT



YYYY-MM-DD	2021-08-03
PREPARED	DJC
DESIGN	DJC
CHECKED	DLP
REVIEWED/APPROVED	RPK

PROJECT No.  
 166235021

CONTROL  
 166235021AE000-GIS.mxd

Rev.  
 0

FIGURE  
 1





**LEGEND**

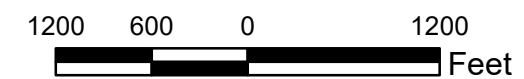
- MONITORING WELL LOCATION

**NOTE**

MONITORING WELL LOCATIONS PROVIDED BY JORDAN ENGINEERING.

**REFERENCE**

1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER



PROJECT  
 2021 SEMI-ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT  
 PLANT SCHERER ASH POND 1

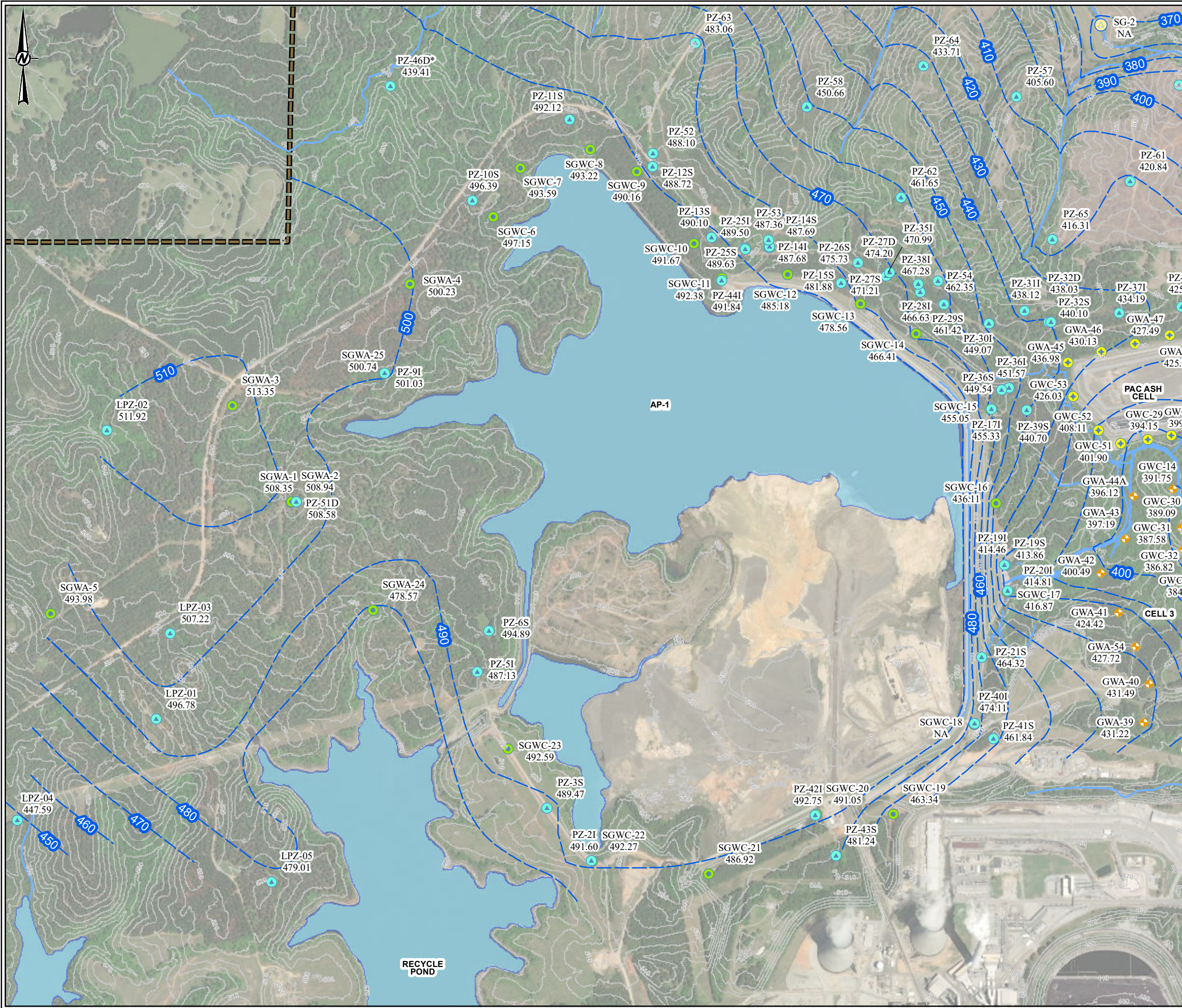
TITLE  
**SITE PLAN AND MONITORING WELL  
 LOCATION MAP**

CONSULTANT	YYYY-MM-DD	2021-08-02
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DLP
	REVIEWED/APPROVED	RPK

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/B



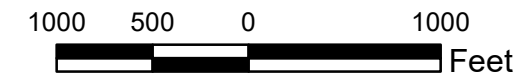


- LEGEND**
- SCHERER ASH POND-CCR MONITORING WELL
  - ⊕ CELL 1 LANDFILL MONITORING WELL
  - ⊕ PAC ASH LANDFILL MONITORING WELL
  - ⊕ CELL 3 MONITORING WELL
  - ▲ PIEZOMETER
  - ⊕ SURFACE WATER SAMPLING LOCATION
  - ⊕ STREAM GAUGE LOCATION

- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
  - STREAM
  - PROPERTY BOUNDARY
  - PONDS
- NA WATER LEVEL ELEVATION NOT AVAILABLE. WATER LEVEL AT SGWC-18 WAS BELOW THE TOP OF THE PUMP.

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED FEBRUARY 8, 2021 BY GOLDER ASSOCIATES.
  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 GROUNDWATER CONTOURS.
  4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

- REFERENCE**
1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
  2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER



PROJECT  
 2021 SEMI-ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT  
 PLANT SCHERER - ASH POND 1

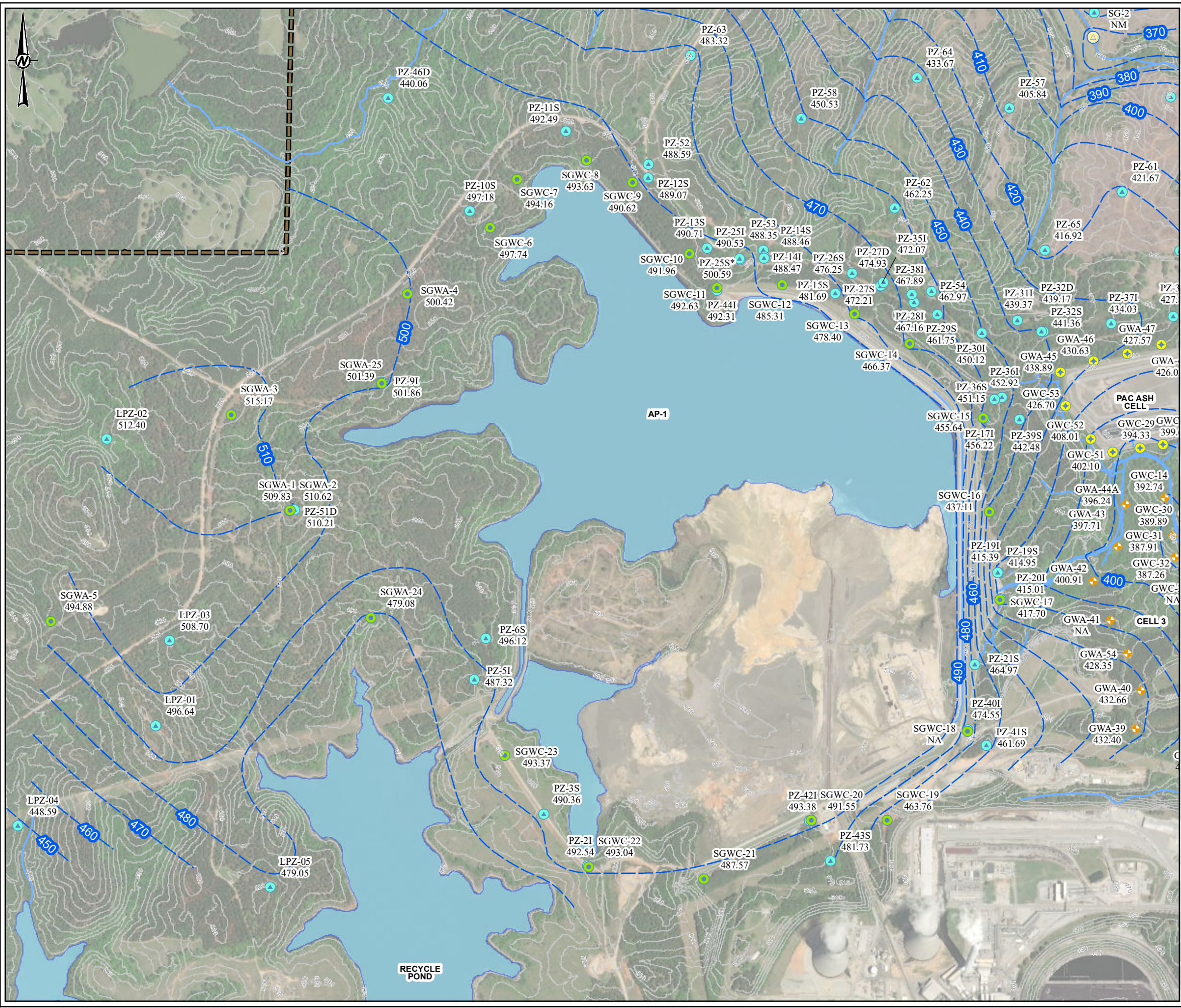
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**POTENTIOMETRIC SURFACE MAP**  
 FEBRUARY 8, 2021

CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2021-06-29
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DLP
	REVIEW/APPROVED	RPK

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





- LEGEND**
- SCHERER ASH POND-CCR MONITORING WELL
  - ⊕ CELL 1 LANDFILL MONITORING WELL
  - ⊕ PAC ASH LANDFILL MONITORING WELL
  - ⊕ CELL 3 MONITORING WELL
  - ▲ PIEZOMETER
  - ⊕ SURFACE WATER SAMPLING LOCATION
  - ⊕ STREAM GAUGE LOCATION

- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- STREAM
- PROPERTY BOUNDARY
- PONDS

NA WATER LEVEL ELEVATION NOT AVAILABLE. WATER LEVEL AT SGWC-18 WAS BELOW THE TOP OF THE PUMP. WATER LEVELS AT GWA-33A AND GWA-41 WERE NOT RECORDED; THESE LOCATIONS WERE INACCESSIBLE AT THE TIME OF RECORDING DUE TO CONSTRUCTION ACTIVITIES.

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 29, 2021 BY GOLDER ASSOCIATES.
  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 GROUNDWATER CONTOURS.
  4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

- REFERENCE**
1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
  2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.



CLIENT  
 GEORGIA POWER COMPANY  
 PLANT SCHERER



PROJECT  
 2021 SEMI-ANNUAL GROUNDWATER MONITORING  
 AND CORRECTIVE ACTION REPORT  
 PLANT SCHERER - ASH POND 1

TITLE  
**POTENTIOMETRIC SURFACE MAP**  
 MARCH 29, 2021

CONSULTANT	YYYY-MM-DD	2021-06-09
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DLP
	REVIEWED/APPROVED	RPK

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



**APPENDIX A**

**ANALYTICAL RESULTS, LABORATORY  
ACCREDITATION, FIELD  
DATA FORMS, WELL INSPECTION FORMS,  
INSTRUMENT CALIBRATION FORMS & DATA  
VALIDATION SUMMARIES**

**APPENDIX A**

Laboratory Analytical Data  
February 2021

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-117048-1  
Client Project/Site: GPC Plant Scherer AP-1

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

Attn: Joju Abraham



Authorized for release by:  
2/26/2021 7:37:29 AM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416





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# Case Narrative

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

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## Job ID: 180-117048-1

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Laboratory: Eurofins TestAmerica, Pittsburgh

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### Narrative

#### Job Narrative 180-117048-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/11/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 1.7° C, 1.7° C, 2.2° C, 2.2° C, 2.3° C, 2.3° C, 2.3° C, 3.1° C, 3.1° C, 3.2° C, 3.2° C, 3.2° C and 3.7° C.

#### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished.

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SGWC-14 (180-117048-16). The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SGWC-21 (180-117048-22). The client was contacted. Sample -22 corresponds to SGWC-14 collected on 2/9/2021 at 16:38. The correction was made and is reflected in this report.

The container label for one of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWA-3 (180-117048-3). The container labels list SGWA-5, while the COC lists SGWA-3. The ID on the COC was used. The client was contacted and the ID on the COC is correct.

The container label for one of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWC-14 (180-117048-22). The container labels list SGWC-14, while the COC lists SGWC-21. The ID on the COC was used. The client was contacted and the ID on the COC is correct.

#### GC Semi VOA

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-346631 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SGWC-18 (180-117050-2) and DUP-2 (AP) (180-117050-8). 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.

#### Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
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.

### 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

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20 *
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Sample Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-117048-1	SGWA-1	Water	02/09/21 10:05	02/11/21 11:00	
180-117048-2	SGWA-2	Water	02/09/21 11:01	02/11/21 11:00	
180-117048-3	SGWA-3	Water	02/09/21 11:35	02/11/21 11:00	
180-117048-4	SGWA-4	Water	02/09/21 12:55	02/11/21 11:00	
180-117048-5	SGWA-5	Water	02/09/21 10:10	02/11/21 11:00	
180-117048-6	SGWA-24	Water	02/09/21 10:30	02/11/21 11:00	
180-117048-7	SGWA-25	Water	02/09/21 11:30	02/11/21 11:00	
180-117048-8	SGWC-6	Water	02/09/21 12:32	02/11/21 11:00	
180-117048-9	SGWC-7	Water	02/09/21 14:15	02/11/21 11:00	
180-117048-10	SGWC-8	Water	02/09/21 14:35	02/11/21 11:00	
180-117048-11	SGWC-9	Water	02/09/21 16:00	02/11/21 11:00	
180-117048-12	SGWC-10	Water	02/09/21 17:00	02/11/21 11:00	
180-117048-13	SGWC-11	Water	02/09/21 12:53	02/11/21 11:00	
180-117048-14	SGWC-12	Water	02/09/21 14:05	02/11/21 11:00	
180-117048-15	SGWC-13	Water	02/09/21 15:50	02/11/21 11:00	
180-117048-17	SGWC-15	Water	02/09/21 16:26	02/11/21 11:00	
180-117048-18	SGWC-16	Water	02/09/21 17:07	02/11/21 11:00	
180-117048-19	DUP-1 (AP)	Water	02/09/21 00:00	02/11/21 11:00	
180-117048-20	FB-1 (AP)	Water	02/09/21 16:15	02/11/21 11:00	
180-117048-21	EB-1 (AP)	Water	02/09/21 10:45	02/11/21 11:00	
180-117048-22	SGWC-14	Water	02/09/21 16:38	02/11/21 11:00	
180-117050-1	SGWC-17	Water	02/10/21 09:42	02/11/21 15:24	
180-117050-2	SGWC-18	Water	02/10/21 10:55	02/11/21 15:24	
180-117050-3	SGWC-19	Water	02/10/21 11:24	02/11/21 15:24	
180-117050-4	SGWC-20	Water	02/10/21 10:24	02/11/21 15:24	
180-117050-5	SGWC-21	Water	02/10/21 09:28	02/11/21 15:24	
180-117050-6	SGWC-22	Water	02/10/21 10:45	02/11/21 15:24	
180-117050-7	SGWC-23	Water	02/10/21 09:50	02/11/21 15:24	
180-117050-8	DUP-2 (AP)	Water	02/10/21 00:00	02/11/21 15:24	
180-117050-9	FB-2 (AP)	Water	02/10/21 09:30	02/11/21 15:24	
180-117050-10	EB-2 (AP)	Water	02/10/21 11:00	02/11/21 15:24	

# Method Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### 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:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Client Sample ID: SGWA-1

## Lab Sample ID: 180-117048-1

Date Collected: 02/09/21 10:05

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346632	02/16/21 16:48	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 17:36	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:45	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 10:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-2

## Lab Sample ID: 180-117048-2

Date Collected: 02/09/21 11:01

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 14:39	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 17:40	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:46	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 11:01	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-3

## Lab Sample ID: 180-117048-3

Date Collected: 02/09/21 11:35

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 19:33	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 17:51	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:47	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 11:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-117048-4**

Date Collected: 02/09/21 12:55

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 12:12	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 17:54	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:48	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 12:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-117048-5**

Date Collected: 02/09/21 10:10

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 19:17	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 17:58	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:53	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 10:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-24**

**Lab Sample ID: 180-117048-6**

Date Collected: 02/09/21 10:30

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 17:22	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347047	02/18/21 18:02	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 11:28	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 10:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-25**  
**Date Collected: 02/09/21 11:30**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 11:23	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346794	02/17/21 07:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347047	02/18/21 18:05	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:29	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 11:30	FDS	TAL PIT

**Client Sample ID: SGWC-6**  
**Date Collected: 02/09/21 12:32**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-8**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 17:55	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 16:50	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:30	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 12:32	FDS	TAL PIT

**Client Sample ID: SGWC-7**  
**Date Collected: 02/09/21 14:15**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-9**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 17:06	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:00	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:31	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 14:15	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-117048-10**

Date Collected: 02/09/21 14:35

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 13:01	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:04	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:38	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 14:35	FDS	TAL PIT

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-117048-11**

Date Collected: 02/09/21 16:00

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			346632	02/16/21 20:58	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:08	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:39	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 16:00	FDS	TAL PIT

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-117048-12**

Date Collected: 02/09/21 17:00

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 15:28	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:11	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:40	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 17:00	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Client Sample ID: SGWC-11

Date Collected: 02/09/21 12:53

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346632	02/16/21 15:45	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 17:15	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 11:42	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 12:53	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-12

Date Collected: 02/09/21 14:05

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 16:50	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 17:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 11:43	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 14:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-13

Date Collected: 02/09/21 15:50

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 16:17	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 17:22	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 11:44	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 15:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-15**  
**Date Collected: 02/09/21 16:26**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-17**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 14:06	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:26	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:45	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 16:26	FDS	TAL PIT

**Client Sample ID: SGWC-16**  
**Date Collected: 02/09/21 17:07**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-18**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 17:39	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:29	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:46	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 17:07	FDS	TAL PIT

**Client Sample ID: DUP-1 (AP)**  
**Date Collected: 02/09/21 00:00**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-19**  
**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	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			346632	02/16/21 21:40	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:40	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:50	KHM	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: FB-1 (AP)**  
Date Collected: 02/09/21 16:15  
Date Received: 02/11/21 11:00

**Lab Sample ID: 180-117048-20**  
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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 10:17	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:44	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346439	02/12/21 13:25	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 11:51	KHM	TAL PIT

**Client Sample ID: EB-1 (AP)**  
Date Collected: 02/09/21 10:45  
Date Received: 02/11/21 11:00

**Lab Sample ID: 180-117048-21**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 10:34	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:48	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 10:27	KHM	TAL PIT

**Client Sample ID: SGWC-14**  
Date Collected: 02/09/21 16:38  
Date Received: 02/11/21 11:00

**Lab Sample ID: 180-117048-22**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 13:50	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346913	02/18/21 05:33	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 17:51	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 10:29	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/09/21 16:38	FDS	TAL PIT

**Client Sample ID: SGWC-17**  
Date Collected: 02/10/21 09:42  
Date Received: 02/11/21 15:24

**Lab Sample ID: 180-117050-1**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			346632	02/16/21 23:03	EPS	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-117050-1**

**Date Collected: 02/10/21 09:42**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 18:53	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:30	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 09:42	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-18**

**Lab Sample ID: 180-117050-2**

**Date Collected: 02/10/21 10:55**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346632	02/16/21 17:50	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 19:11	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:31	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 10:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-117050-3**

**Date Collected: 02/10/21 11:24**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346632	02/16/21 22:22	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 19:25	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:32	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 11:24	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-117050-4**

**Date Collected: 02/10/21 10:24**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 13:33	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 19:29	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 10:33	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/10/21 10:24	FDS	TAL PIT

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-117050-5**

**Date Collected: 02/10/21 09:28**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			346632	02/16/21 19:14	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 19:40	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 10:34	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/10/21 09:28	FDS	TAL PIT

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-117050-6**

**Date Collected: 02/10/21 10:45**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			346631	02/16/21 14:22	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			347383	02/19/21 19:43	RSK	TAL PIT
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			347409	02/23/21 10:35	KHM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			346556	02/10/21 10:45	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Client Sample ID: SGWC-23

## Lab Sample ID: 180-117050-7

Date Collected: 02/10/21 09:50

Matrix: Water

Date Received: 02/11/21 15:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 16:33	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 19:47	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:41	KHM	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 09:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-2 (AP)

## Lab Sample ID: 180-117050-8

Date Collected: 02/10/21 00:00

Matrix: Water

Date Received: 02/11/21 15:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346632	02/16/21 18:32	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 19:51	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346441	02/12/21 13:27	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:42	KHM	TAL PIT
Instrument ID: HGY										

## Client Sample ID: FB-2 (AP)

## Lab Sample ID: 180-117050-9

Date Collected: 02/10/21 09:30

Matrix: Water

Date Received: 02/11/21 15:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 10:50	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 20:05	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:54	KHM	TAL PIT
Instrument ID: HGY										

## Client Sample ID: EB-2 (AP)

## Lab Sample ID: 180-117050-10

Date Collected: 02/10/21 11:00

Matrix: Water

Date Received: 02/11/21 15:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 11:06	EPS	TAL PIT
Instrument ID: CHICS2100B										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: EB-2 (AP)**

**Lab Sample ID: 180-117050-10**

**Date Collected: 02/10/21 11:00**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	346914	02/18/21 05:36	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			347383	02/19/21 20:09	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	346437	02/12/21 13:22	KHM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			347409	02/23/21 10:55	KHM	TAL PIT
Instrument ID: HGY										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KHM = Kyle Mucroski

RJR = Ron Rosenbaum

Batch Type: Analysis

EPS = Evan Scheuer

FDS = Sampler Field

KHM = Kyle Mucroski

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-1**

**Lab Sample ID: 180-117048-1**

Date Collected: 02/09/21 10:05

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 16:48	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 17:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 17:36	1
<b>Barium</b>	<b>0.043</b>		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 17:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 17:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 17:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 17:36	1
<b>Cobalt</b>	<b>0.0013 J</b>		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 17:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 17:36	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 17:36	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 17:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 17:36	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 17:36	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:45	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.25</b>				SU			02/09/21 10:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-2**

**Lab Sample ID: 180-117048-2**

Date Collected: 02/09/21 11:01

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.055	J	0.10	0.026	mg/L			02/16/21 14:39	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 17:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 17:40	1
Barium	0.037		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 17:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 17:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 17:40	1
Chromium	0.014		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 17:40	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 17:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 17:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 17:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 17:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 17:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 17:40	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:46	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.75				SU			02/09/21 11:01	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-117048-3**

Date Collected: 02/09/21 11:35

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026	F1	0.10	0.026	mg/L			02/16/21 19:33	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 17:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 17:51	1
<b>Barium</b>	<b>0.035</b>		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 17:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 17:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 17:51	1
<b>Chromium</b>	<b>0.019</b>		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 17:51	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 17:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 17:51	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 17:51	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 17:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 17:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 17:51	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:47	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.80</b>				SU			02/09/21 11:35	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-117048-4**

Date Collected: 02/09/21 12:55

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.059	J	0.10	0.026	mg/L			02/16/21 12:12	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 17:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 17:54	1
Barium	0.065		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 17:54	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 17:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 17:54	1
Chromium	0.0053		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 17:54	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 17:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 17:54	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 17:54	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 17:54	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 17:54	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 17:54	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:48	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.38				SU			02/09/21 12:55	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-117048-5**

Date Collected: 02/09/21 10:10

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 19:17	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 17:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 17:58	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 17:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 17:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 17:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 17:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 17:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 17:58	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 17:58	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 17:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 17:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 17:58	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:53	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.53</b>				SU			02/09/21 10:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-24**

**Lab Sample ID: 180-117048-6**

Date Collected: 02/09/21 10:30

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.059	J	0.10	0.026	mg/L			02/16/21 17:22	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 18:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 18:02	1
Barium	0.023		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 18:02	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 18:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 18:02	1
Chromium	0.0052		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 18:02	1
Cobalt	0.00023	J	0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 18:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 18:02	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 18:02	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 18:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 18:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 18:02	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:28	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			02/09/21 10:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWA-25**

**Lab Sample ID: 180-117048-7**

Date Collected: 02/09/21 11:30

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.037	J	0.10	0.026	mg/L			02/16/21 11:23	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 18:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 18:05	1
Barium	0.025		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 18:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 18:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 18:05	1
Chromium	0.0023		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 18:05	1
Cobalt	0.0011	J	0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 18:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 18:05	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 18:05	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 18:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 18:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 18:05	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:29	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.06				SU			02/09/21 11:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-6**

**Lab Sample ID: 180-117048-8**

Date Collected: 02/09/21 12:32

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.12		0.10	0.026	mg/L			02/16/21 17:55	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 16:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 16:50	1
Barium	0.12		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 16:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 16:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 16:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 16:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 16:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 16:50	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 16:50	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 16:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 16:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 16:50	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:30	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.34				SU			02/09/21 12:32	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-7**

**Lab Sample ID: 180-117048-9**

Date Collected: 02/09/21 14:15

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.22		0.10	0.026	mg/L			02/16/21 17:06	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:00	1
Barium	0.26		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:00	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:00	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:00	1
Cobalt	0.0069		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:00	1
Lead	0.00014	J	0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:00	1
Lithium	0.0052		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:00	1
Molybdenum	0.0014	J	0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:00	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:00	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.42				SU			02/09/21 14:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-117048-10**

Date Collected: 02/09/21 14:35

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.37		0.10	0.026	mg/L			02/16/21 13:01	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:04	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:04	1
Barium	0.18		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:04	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:04	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:04	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:04	1
Lead	0.00062	J	0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:04	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:04	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:04	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:04	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:04	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:38	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			02/09/21 14:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-117048-11**

Date Collected: 02/09/21 16:00

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.050	J	0.10	0.026	mg/L			02/16/21 20:58	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:08	1
Barium	0.054		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:08	1
Cobalt	0.0032		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:08	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:08	1
Molybdenum	0.00063	J	0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:08	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:39	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.21				SU			02/09/21 16:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-117048-12**

Date Collected: 02/09/21 17:00

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 15:28	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:11	1
<b>Barium</b>	<b>0.028</b>		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:11	1
<b>Cobalt</b>	<b>0.030</b>		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:11	1
<b>Lead</b>	<b>0.00013 J</b>		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:11	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:11	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:11	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:40	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.23</b>				SU			02/09/21 17:00	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-11**

**Lab Sample ID: 180-117048-13**

Date Collected: 02/09/21 12:53

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 15:45	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:15	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:15	1
<b>Barium</b>	<b>0.043</b>		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:15	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:15	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:15	1
<b>Cobalt</b>	<b>0.019</b>		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:15	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:15	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:15	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:42	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.24</b>				SU			02/09/21 12:53	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-12**

**Lab Sample ID: 180-117048-14**

Date Collected: 02/09/21 14:05

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.074	J	0.10	0.026	mg/L			02/16/21 16:50	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:19	1
Barium	0.058		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:19	1
Cobalt	0.0014	J	0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:19	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:19	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:19	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:43	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.13				SU			02/09/21 14:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-117048-15**

Date Collected: 02/09/21 15:50

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 16:17	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:22	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:22	1
<b>Barium</b>	<b>0.036</b>		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:22	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:22	1
<b>Cobalt</b>	<b>0.0024</b>	<b>J</b>	0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:22	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:22	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:22	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:44	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.98</b>				SU			02/09/21 15:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-117048-17**

Date Collected: 02/09/21 16:26

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14		0.10	0.026	mg/L			02/16/21 14:06	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:26	1
Arsenic	0.0013		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:26	1
Barium	0.029		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:26	1
Beryllium	0.00044	J	0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:26	1
Cadmium	0.00030	J	0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:26	1
Chromium	0.035		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:26	1
Cobalt	0.26		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:26	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:26	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:26	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:26	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:26	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00013	J	0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:45	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.26				SU			02/09/21 16:26	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-117048-18**

Date Collected: 02/09/21 17:07

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 17:39	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:29	1
<b>Barium</b>	<b>0.030</b>		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:29	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:29	1
<b>Chromium</b>	<b>0.012</b>		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:29	1
<b>Cobalt</b>	<b>0.0045</b>		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:29	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:29	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:29	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:46	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.22</b>				SU			02/09/21 17:07	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: DUP-1 (AP)**

**Lab Sample ID: 180-117048-19**

Date Collected: 02/09/21 00:00

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.26		0.10	0.026	mg/L			02/16/21 21:40	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:40	1
Barium	0.18		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:40	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:40	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:50	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: FB-1 (AP)**

**Lab Sample ID: 180-117048-20**

Date Collected: 02/09/21 16:15

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 10:17	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:44	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:44	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:44	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:44	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:51	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: EB-1 (AP)**

**Lab Sample ID: 180-117048-21**

Date Collected: 02/09/21 10:45

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 10:34	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:48	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:48	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:48	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:27	1



# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-14**

**Lab Sample ID: 180-117048-22**

Date Collected: 02/09/21 16:38

Matrix: Water

Date Received: 02/11/21 11:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 13:50	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 17:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 17:51	1
<b>Barium</b>	<b>0.046</b>		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 17:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 17:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 17:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:51	1
<b>Cobalt</b>	<b>0.0052</b>		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 17:51	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 17:51	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 17:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 17:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 17:51	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:29	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.85</b>				SU			02/09/21 16:38	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-117050-1**

Date Collected: 02/10/21 09:42

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.030	J	0.10	0.026	mg/L			02/16/21 23:03	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 18:53	1
Arsenic	0.00038	J	0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 18:53	1
Barium	0.023		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 18:53	1
Beryllium	0.00028	J	0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 18:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 18:53	1
Chromium	0.0080		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 18:53	1
Cobalt	0.00049	J	0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 18:53	1
Lead	0.00017	J	0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 18:53	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 18:53	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 18:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 18:53	1
Thallium	0.00024	J	0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 18:53	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:30	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.23				SU			02/10/21 09:42	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-18**

**Lab Sample ID: 180-117050-2**

Date Collected: 02/10/21 10:55

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 17:50	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:11	1
Arsenic	0.0033		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:11	1
Barium	0.016		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:11	1
Beryllium	0.00036	J	0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:11	1
Cadmium	0.00035	J	0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:11	1
Chromium	0.010		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:11	1
Cobalt	0.11		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:11	1
Lead	0.00029	J	0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:11	1
Lithium	0.0055		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:11	1
Selenium	0.0016	J	0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:11	1
Thallium	0.00068	J	0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:11	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00018	J	0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.80				SU			02/10/21 10:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-117050-3**

Date Collected: 02/10/21 11:24

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 22:22	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:25	1
<b>Barium</b>	<b>0.031</b>		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:25	1
<b>Beryllium</b>	<b>0.00019 J</b>		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:25	1
<b>Chromium</b>	<b>0.015</b>		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:25	1
<b>Cobalt</b>	<b>0.00013 J</b>		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:25	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:25	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:25	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.55</b>				SU			02/10/21 11:24	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-117050-4**

Date Collected: 02/10/21 10:24

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.19		0.10	0.026	mg/L			02/16/21 13:33	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:29	1
Arsenic	0.00059	J	0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:29	1
Barium	0.023		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:29	1
Beryllium	0.00090	J	0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:29	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:29	1
Cobalt	0.17		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:29	1
Lead	0.00030	J	0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:29	1
Lithium	0.0047	J	0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:29	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:29	1
Thallium	0.00025	J	0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:29	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:33	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.22				SU			02/10/21 10:24	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-117050-5**

Date Collected: 02/10/21 09:28

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.049	J	0.10	0.026	mg/L			02/16/21 19:14	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:40	1
Barium	0.12		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:40	1
Cobalt	0.00017	J	0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:40	1
Lead	0.00016	J	0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:40	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.21				SU			02/10/21 09:28	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-117050-6**

Date Collected: 02/10/21 10:45

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 14:22	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:43	1
<b>Barium</b>	<b>0.078</b>		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:43	1
<b>Chromium</b>	<b>0.0015</b>	<b>J</b>	0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:43	1
<b>Cobalt</b>	<b>0.0015</b>	<b>J</b>	0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:43	1
<b>Lead</b>	<b>0.00016</b>	<b>J</b>	0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:43	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:43	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:35	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.58</b>				SU			02/10/21 10:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: SGWC-23**

**Lab Sample ID: 180-117050-7**

Date Collected: 02/10/21 09:50

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.046	J	0.10	0.026	mg/L			02/16/21 16:33	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:47	1
Barium	0.066		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:47	1
Chromium	0.0017	J	0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:47	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:47	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:47	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:47	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:41	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.85				SU			02/10/21 09:50	1



# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: DUP-2 (AP)**

**Lab Sample ID: 180-117050-8**

Date Collected: 02/10/21 00:00

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 18:32	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Arsenic</b>	<b>0.0030</b>		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Barium</b>	<b>0.015</b>		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Beryllium</b>	<b>0.00032</b>	<b>J</b>	0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 19:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Chromium</b>	<b>0.0099</b>		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Cobalt</b>	<b>0.11</b>		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Lithium</b>	<b>0.0042</b>	<b>J</b>	0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 19:51	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 19:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 19:51	1
<b>Thallium</b>	<b>0.00028</b>	<b>J</b>	0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 19:51	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.00019</b>	<b>J</b>	0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:42	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: FB-2 (AP)**

**Lab Sample ID: 180-117050-9**

Date Collected: 02/10/21 09:30

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 10:50	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 20:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 20:05	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 20:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 20:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 20:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 20:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 20:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 20:05	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 20:05	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 20:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 20:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 20:05	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

**Client Sample ID: EB-2 (AP)**

**Lab Sample ID: 180-117050-10**

Date Collected: 02/10/21 11:00

Matrix: Water

Date Received: 02/11/21 15:24

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 11:06	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 20:09	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 20:09	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 20:09	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 20:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 20:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 20:09	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 20:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 20:09	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 20:09	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 20:09	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 20:09	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 20:09	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:55	1

# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

**Lab Sample ID: MB 180-346631/39**  
**Matrix: Water**  
**Analysis Batch: 346631**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 19:00	1

**Lab Sample ID: MB 180-346631/6**  
**Matrix: Water**  
**Analysis Batch: 346631**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 07:12	1

**Lab Sample ID: LCS 180-346631/38**  
**Matrix: Water**  
**Analysis Batch: 346631**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.63		mg/L		105	90 - 110

**Lab Sample ID: LCS 180-346631/5**  
**Matrix: Water**  
**Analysis Batch: 346631**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.68		mg/L		107	90 - 110

**Lab Sample ID: 180-117048-2 MS**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.055	J	2.50	2.65		mg/L		104	90 - 110

**Lab Sample ID: 180-117048-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.055	J	2.50	2.62		mg/L		103	90 - 110	1	20

**Lab Sample ID: 180-117048-3 MS**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-3**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	<0.026	F1	2.50	2.78	F1	mg/L		111	90 - 110

**Lab Sample ID: 180-117048-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-3**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	<0.026	F1	2.50	2.63		mg/L		105	90 - 110	5	20

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

**Lab Sample ID: 180-117048-7 MS**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-25**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.037	J	2.50	2.50		mg/L		99	90 - 110

**Lab Sample ID: 180-117048-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 346631**

**Client Sample ID: SGWA-25**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.037	J	2.50	2.53		mg/L		100	90 - 110	1	20

**Lab Sample ID: MB 180-346632/6**  
**Matrix: Water**  
**Analysis Batch: 346632**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			02/16/21 09:50	1

**Lab Sample ID: LCS 180-346632/5**  
**Matrix: Water**  
**Analysis Batch: 346632**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.43		mg/L		97	90 - 110

**Lab Sample ID: 180-117048-1 MS**  
**Matrix: Water**  
**Analysis Batch: 346632**

**Client Sample ID: SGWA-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	<0.026		2.50	2.34		mg/L		94	90 - 110

**Lab Sample ID: 180-117048-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 346632**

**Client Sample ID: SGWA-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	<0.026		2.50	2.39		mg/L		96	90 - 110	2	20

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-346794/1-A**  
**Matrix: Water**  
**Analysis Batch: 347047**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346794**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/17/21 07:45	02/18/21 16:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/17/21 07:45	02/18/21 16:20	1
Barium	<0.0016		0.010	0.0016	mg/L		02/17/21 07:45	02/18/21 16:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/17/21 07:45	02/18/21 16:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/17/21 07:45	02/18/21 16:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/17/21 07:45	02/18/21 16:20	1

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

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

**Lab Sample ID: MB 180-346794/1-A**  
**Matrix: Water**  
**Analysis Batch: 347047**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346794**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/17/21 07:45	02/18/21 16:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/17/21 07:45	02/18/21 16:20	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/17/21 07:45	02/18/21 16:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/17/21 07:45	02/18/21 16:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/17/21 07:45	02/18/21 16:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/17/21 07:45	02/18/21 16:20	1

**Lab Sample ID: LCS 180-346794/2-A**  
**Matrix: Water**  
**Analysis Batch: 347047**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346794**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.235		mg/L		94	80 - 120
Arsenic	1.00	0.992		mg/L		99	80 - 120
Barium	1.00	0.986		mg/L		99	80 - 120
Beryllium	0.500	0.504		mg/L		101	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Chromium	0.500	0.495		mg/L		99	80 - 120
Cobalt	0.500	0.497		mg/L		99	80 - 120
Lead	0.500	0.496		mg/L		99	80 - 120
Lithium	0.500	0.487		mg/L		97	80 - 120
Molybdenum	0.500	0.505		mg/L		101	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.07		mg/L		107	80 - 120

**Lab Sample ID: MB 180-346913/1-A**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346913**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		02/18/21 05:33	02/19/21 15:59	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:33	02/19/21 15:59	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:33	02/19/21 15:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:33	02/19/21 15:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:33	02/19/21 15:59	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 15:59	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 15:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:33	02/19/21 15:59	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:33	02/19/21 15:59	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:33	02/19/21 15:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:33	02/19/21 15:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:33	02/19/21 15:59	1

**Lab Sample ID: LCS 180-346913/2-A**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346913**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.247		mg/L		99	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

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

**Lab Sample ID: LCS 180-346913/2-A**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346913**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.978		mg/L		98	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.527		mg/L		105	80 - 120
Cadmium	0.500	0.520		mg/L		104	80 - 120
Chromium	0.500	0.517		mg/L		103	80 - 120
Cobalt	0.500	0.498		mg/L		100	80 - 120
Lead	0.500	0.513		mg/L		103	80 - 120
Lithium	0.500	0.510		mg/L		102	80 - 120
Molybdenum	0.500	0.512		mg/L		102	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Thallium	1.00	1.07		mg/L		107	80 - 120

**Lab Sample ID: 180-116779-K-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346913**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0015	J	0.250	0.243		mg/L		96	75 - 125
Arsenic	0.0080		1.00	0.989		mg/L		98	75 - 125
Barium	0.10		1.00	1.13		mg/L		103	75 - 125
Beryllium	0.00050	J	0.500	0.506		mg/L		101	75 - 125
Cadmium	0.00035	J	0.500	0.510		mg/L		102	75 - 125
Chromium	0.018		0.500	0.527		mg/L		102	75 - 125
Cobalt	0.0055		0.500	0.504		mg/L		100	75 - 125
Lead	0.014		0.500	0.525		mg/L		102	75 - 125
Lithium	0.012		0.500	0.510		mg/L		100	75 - 125
Molybdenum	0.0033	J	0.500	0.519		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125
Thallium	0.00063	J	1.00	1.06		mg/L		106	75 - 125

**Lab Sample ID: 180-116779-K-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346913**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	0.0015	J	0.250	0.242		mg/L		96	75 - 125	0	20
Arsenic	0.0080		1.00	0.994		mg/L		99	75 - 125	0	20
Barium	0.10		1.00	1.16		mg/L		106	75 - 125	3	20
Beryllium	0.00050	J	0.500	0.510		mg/L		102	75 - 125	1	20
Cadmium	0.00035	J	0.500	0.521		mg/L		104	75 - 125	2	20
Chromium	0.018		0.500	0.531		mg/L		102	75 - 125	1	20
Cobalt	0.0055		0.500	0.506		mg/L		100	75 - 125	1	20
Lead	0.014		0.500	0.539		mg/L		105	75 - 125	3	20
Lithium	0.012		0.500	0.512		mg/L		100	75 - 125	0	20
Molybdenum	0.0033	J	0.500	0.522		mg/L		104	75 - 125	1	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	2	20
Thallium	0.00063	J	1.00	1.08		mg/L		108	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

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

**Lab Sample ID: MB 180-346914/1-A**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346914**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.000406	J	0.0020	0.00038	mg/L		02/18/21 05:36	02/19/21 18:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 18:16	1
Barium	<0.0016		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 18:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		02/18/21 05:36	02/19/21 18:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/21 05:36	02/19/21 18:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 18:16	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 18:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		02/18/21 05:36	02/19/21 18:16	1
Lithium	<0.0034		0.0050	0.0034	mg/L		02/18/21 05:36	02/19/21 18:16	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/21 05:36	02/19/21 18:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		02/18/21 05:36	02/19/21 18:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		02/18/21 05:36	02/19/21 18:16	1

**Lab Sample ID: LCS 180-346914/2-A**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346914**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic	1.00	0.953		mg/L		95	80 - 120	
Barium	1.00	1.01		mg/L		101	80 - 120	
Beryllium	0.500	0.516		mg/L		103	80 - 120	
Cadmium	0.500	0.502		mg/L		100	80 - 120	
Chromium	0.500	0.507		mg/L		101	80 - 120	
Cobalt	0.500	0.490		mg/L		98	80 - 120	
Lead	0.500	0.503		mg/L		101	80 - 120	
Lithium	0.500	0.494		mg/L		99	80 - 120	
Molybdenum	0.500	0.504		mg/L		101	80 - 120	
Selenium	1.00	0.988		mg/L		99	80 - 120	
Thallium	1.00	1.04		mg/L		104	80 - 120	

**Lab Sample ID: 180-117050-1 MS**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: SGWC-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346914**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Antimony	<0.00038		0.250	0.247		mg/L		99	75 - 125	
Arsenic	0.00038	J	1.00	0.972		mg/L		97	75 - 125	
Barium	0.023		1.00	1.03		mg/L		101	75 - 125	
Beryllium	0.00028	J	0.500	0.528		mg/L		106	75 - 125	
Cadmium	<0.00022		0.500	0.508		mg/L		102	75 - 125	
Chromium	0.0080		0.500	0.515		mg/L		101	75 - 125	
Cobalt	0.00049	J	0.500	0.486		mg/L		97	75 - 125	
Lead	0.00017	J	0.500	0.502		mg/L		100	75 - 125	
Lithium	<0.0034		0.500	0.514		mg/L		103	75 - 125	
Molybdenum	<0.00061		0.500	0.506		mg/L		101	75 - 125	
Selenium	<0.0015		1.00	0.983		mg/L		98	75 - 125	
Thallium	0.00024	J	1.00	1.05		mg/L		105	75 - 125	

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

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

**Lab Sample ID: 180-117050-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 347383**

**Client Sample ID: SGWC-17**  
**Prep Type: Total Recoverable**  
**Prep Batch: 346914**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result			Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.247		mg/L		99	75 - 125	0	20
Arsenic	0.00038	J	1.00	0.972		mg/L		97	75 - 125	0	20
Barium	0.023		1.00	1.04		mg/L		101	75 - 125	0	20
Beryllium	0.00028	J	0.500	0.493		mg/L		99	75 - 125	7	20
Cadmium	<0.00022		0.500	0.511		mg/L		102	75 - 125	1	20
Chromium	0.0080		0.500	0.515		mg/L		101	75 - 125	0	20
Cobalt	0.00049	J	0.500	0.486		mg/L		97	75 - 125	0	20
Lead	0.00017	J	0.500	0.499		mg/L		100	75 - 125	1	20
Lithium	<0.0034		0.500	0.494		mg/L		99	75 - 125	4	20
Molybdenum	<0.00061		0.500	0.506		mg/L		101	75 - 125	0	20
Selenium	<0.0015		1.00	0.989		mg/L		99	75 - 125	1	20
Thallium	0.00024	J	1.00	1.06		mg/L		106	75 - 125	1	20

**Lab Sample ID: 180-116977-G-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 347047**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 346794**

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result			Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125		
Arsenic	<0.00031		1.00	0.989		mg/L		99	75 - 125		
Barium	0.033		1.00	1.03		mg/L		99	75 - 125		
Beryllium	<0.00018		0.500	0.506		mg/L		101	75 - 125		
Cadmium	<0.00022		0.500	0.502		mg/L		100	75 - 125		
Chromium	<0.0015		0.500	0.491		mg/L		98	75 - 125		
Cobalt	<0.00013		0.500	0.490		mg/L		98	75 - 125		
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125		
Lithium	0.0039	J	0.500	0.484		mg/L		96	75 - 125		
Molybdenum	<0.00061		0.500	0.499		mg/L		100	75 - 125		
Selenium	<0.0015		1.00	0.996		mg/L		100	75 - 125		
Thallium	0.00024	J	1.00	1.04		mg/L		104	75 - 125		

**Lab Sample ID: 180-116977-G-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 347047**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 346794**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result			Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.236		mg/L		94	75 - 125	1	20
Arsenic	<0.00031		1.00	0.988		mg/L		99	75 - 125	0	20
Barium	0.033		1.00	1.02		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.502		mg/L		100	75 - 125	1	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	0	20
Chromium	<0.0015		0.500	0.494		mg/L		99	75 - 125	1	20
Cobalt	<0.00013		0.500	0.495		mg/L		99	75 - 125	1	20
Lead	<0.00013		0.500	0.497		mg/L		99	75 - 125	1	20
Lithium	0.0039	J	0.500	0.487		mg/L		97	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.505		mg/L		101	75 - 125	1	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	2	20
Thallium	0.00024	J	1.00	1.04		mg/L		104	75 - 125	0	20

# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: MB 180-346437/1-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 346437**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:22	02/23/21 10:43	1

**Lab Sample ID: LCS 180-346437/2-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 346437**

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

**Lab Sample ID: 180-117036-B-2-A MS**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 346437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00108		mg/L		108	75 - 125

**Lab Sample ID: 180-117036-B-2-B MSD**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 346437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125	1	20

**Lab Sample ID: MB 180-346439/1-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 346439**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:25	02/23/21 11:16	1

**Lab Sample ID: LCS 180-346439/2-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 346439**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

**Lab Sample ID: 180-117048-9 MS**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: SGWC-7**  
**Prep Type: Total/NA**  
**Prep Batch: 346439**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00112		mg/L		112	75 - 125

**Lab Sample ID: 180-117048-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: SGWC-7**  
**Prep Type: Total/NA**  
**Prep Batch: 346439**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00111		mg/L		111	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: MB 180-346441/1-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 346441**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:25	1

**Lab Sample ID: LCS 180-346441/2-A**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 346441**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

**Lab Sample ID: 180-117050-6 MS**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: SGWC-22**  
**Prep Type: Total/NA**  
**Prep Batch: 346441**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

**Lab Sample ID: 180-117050-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 347409**

**Client Sample ID: SGWC-22**  
**Prep Type: Total/NA**  
**Prep Batch: 346441**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	2	20

# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## HPLC/IC

### Analysis Batch: 346631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-2	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-117048-3	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-117048-4	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-117048-5	SGWA-5	Total/NA	Water	EPA 300.0 R2.1	
180-117048-6	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-117048-7	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
180-117048-8	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-117048-9	SGWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-117048-10	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-117048-12	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-117048-14	SGWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-117048-15	SGWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-117048-17	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-117048-18	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-117048-20	FB-1 (AP)	Total/NA	Water	EPA 300.0 R2.1	
180-117048-21	EB-1 (AP)	Total/NA	Water	EPA 300.0 R2.1	
180-117048-22	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-117050-4	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-117050-6	SGWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-117050-7	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-117050-9	FB-2 (AP)	Total/NA	Water	EPA 300.0 R2.1	
180-117050-10	EB-2 (AP)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-346631/39	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-346631/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-346631/38	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-346631/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-117048-2 MS	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-117048-2 MSD	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-117048-3 MS	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-117048-3 MSD	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-117048-7 MS	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
180-117048-7 MSD	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 346632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-117048-11	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-117048-13	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-117048-19	DUP-1 (AP)	Total/NA	Water	EPA 300.0 R2.1	
180-117050-1	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-117050-2	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-117050-3	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-117050-5	SGWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-117050-8	DUP-2 (AP)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-346632/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-346632/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-117048-1 MS	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-117048-1 MSD	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	

# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Metals

### Prep Batch: 346437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	7470A	
180-117048-2	SGWA-2	Total/NA	Water	7470A	
180-117048-3	SGWA-3	Total/NA	Water	7470A	
180-117048-4	SGWA-4	Total/NA	Water	7470A	
180-117048-5	SGWA-5	Total/NA	Water	7470A	
180-117050-9	FB-2 (AP)	Total/NA	Water	7470A	
180-117050-10	EB-2 (AP)	Total/NA	Water	7470A	
MB 180-346437/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-346437/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-117036-B-2-A MS	Matrix Spike	Total/NA	Water	7470A	
180-117036-B-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 346439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-6	SGWA-24	Total/NA	Water	7470A	
180-117048-7	SGWA-25	Total/NA	Water	7470A	
180-117048-8	SGWC-6	Total/NA	Water	7470A	
180-117048-9	SGWC-7	Total/NA	Water	7470A	
180-117048-10	SGWC-8	Total/NA	Water	7470A	
180-117048-11	SGWC-9	Total/NA	Water	7470A	
180-117048-12	SGWC-10	Total/NA	Water	7470A	
180-117048-13	SGWC-11	Total/NA	Water	7470A	
180-117048-14	SGWC-12	Total/NA	Water	7470A	
180-117048-15	SGWC-13	Total/NA	Water	7470A	
180-117048-17	SGWC-15	Total/NA	Water	7470A	
180-117048-18	SGWC-16	Total/NA	Water	7470A	
180-117048-19	DUP-1 (AP)	Total/NA	Water	7470A	
180-117048-20	FB-1 (AP)	Total/NA	Water	7470A	
MB 180-346439/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-346439/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-117048-9 MS	SGWC-7	Total/NA	Water	7470A	
180-117048-9 MSD	SGWC-7	Total/NA	Water	7470A	

### Prep Batch: 346441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-21	EB-1 (AP)	Total/NA	Water	7470A	
180-117048-22	SGWC-14	Total/NA	Water	7470A	
180-117050-1	SGWC-17	Total/NA	Water	7470A	
180-117050-2	SGWC-18	Total/NA	Water	7470A	
180-117050-3	SGWC-19	Total/NA	Water	7470A	
180-117050-4	SGWC-20	Total/NA	Water	7470A	
180-117050-5	SGWC-21	Total/NA	Water	7470A	
180-117050-6	SGWC-22	Total/NA	Water	7470A	
180-117050-7	SGWC-23	Total/NA	Water	7470A	
180-117050-8	DUP-2 (AP)	Total/NA	Water	7470A	
MB 180-346441/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-346441/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-117050-6 MS	SGWC-22	Total/NA	Water	7470A	
180-117050-6 MSD	SGWC-22	Total/NA	Water	7470A	

# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Metals

### Prep Batch: 346794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total Recoverable	Water	3005A	
180-117048-2	SGWA-2	Total Recoverable	Water	3005A	
180-117048-3	SGWA-3	Total Recoverable	Water	3005A	
180-117048-4	SGWA-4	Total Recoverable	Water	3005A	
180-117048-5	SGWA-5	Total Recoverable	Water	3005A	
180-117048-6	SGWA-24	Total Recoverable	Water	3005A	
180-117048-7	SGWA-25	Total Recoverable	Water	3005A	
MB 180-346794/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-346794/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-116977-G-1-B MS	Matrix Spike	Dissolved	Water	3005A	
180-116977-G-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Prep Batch: 346913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-8	SGWC-6	Total Recoverable	Water	3005A	
180-117048-9	SGWC-7	Total Recoverable	Water	3005A	
180-117048-10	SGWC-8	Total Recoverable	Water	3005A	
180-117048-11	SGWC-9	Total Recoverable	Water	3005A	
180-117048-12	SGWC-10	Total Recoverable	Water	3005A	
180-117048-13	SGWC-11	Total Recoverable	Water	3005A	
180-117048-14	SGWC-12	Total Recoverable	Water	3005A	
180-117048-15	SGWC-13	Total Recoverable	Water	3005A	
180-117048-17	SGWC-15	Total Recoverable	Water	3005A	
180-117048-18	SGWC-16	Total Recoverable	Water	3005A	
180-117048-19	DUP-1 (AP)	Total Recoverable	Water	3005A	
180-117048-20	FB-1 (AP)	Total Recoverable	Water	3005A	
180-117048-21	EB-1 (AP)	Total Recoverable	Water	3005A	
180-117048-22	SGWC-14	Total Recoverable	Water	3005A	
MB 180-346913/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-346913/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-116779-K-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-116779-K-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 346914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117050-1	SGWC-17	Total Recoverable	Water	3005A	
180-117050-2	SGWC-18	Total Recoverable	Water	3005A	
180-117050-3	SGWC-19	Total Recoverable	Water	3005A	
180-117050-4	SGWC-20	Total Recoverable	Water	3005A	
180-117050-5	SGWC-21	Total Recoverable	Water	3005A	
180-117050-6	SGWC-22	Total Recoverable	Water	3005A	
180-117050-7	SGWC-23	Total Recoverable	Water	3005A	
180-117050-8	DUP-2 (AP)	Total Recoverable	Water	3005A	
180-117050-9	FB-2 (AP)	Total Recoverable	Water	3005A	
180-117050-10	EB-2 (AP)	Total Recoverable	Water	3005A	
MB 180-346914/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-346914/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-117050-1 MS	SGWC-17	Total Recoverable	Water	3005A	
180-117050-1 MSD	SGWC-17	Total Recoverable	Water	3005A	

# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Metals

### Analysis Batch: 347047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total Recoverable	Water	EPA 6020B	346794
180-117048-2	SGWA-2	Total Recoverable	Water	EPA 6020B	346794
180-117048-3	SGWA-3	Total Recoverable	Water	EPA 6020B	346794
180-117048-4	SGWA-4	Total Recoverable	Water	EPA 6020B	346794
180-117048-5	SGWA-5	Total Recoverable	Water	EPA 6020B	346794
180-117048-6	SGWA-24	Total Recoverable	Water	EPA 6020B	346794
180-117048-7	SGWA-25	Total Recoverable	Water	EPA 6020B	346794
MB 180-346794/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	346794
LCS 180-346794/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	346794
180-116977-G-1-B MS	Matrix Spike	Dissolved	Water	EPA 6020B	346794
180-116977-G-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	346794

### Analysis Batch: 347383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-8	SGWC-6	Total Recoverable	Water	EPA 6020B	346913
180-117048-9	SGWC-7	Total Recoverable	Water	EPA 6020B	346913
180-117048-10	SGWC-8	Total Recoverable	Water	EPA 6020B	346913
180-117048-11	SGWC-9	Total Recoverable	Water	EPA 6020B	346913
180-117048-12	SGWC-10	Total Recoverable	Water	EPA 6020B	346913
180-117048-13	SGWC-11	Total Recoverable	Water	EPA 6020B	346913
180-117048-14	SGWC-12	Total Recoverable	Water	EPA 6020B	346913
180-117048-15	SGWC-13	Total Recoverable	Water	EPA 6020B	346913
180-117048-17	SGWC-15	Total Recoverable	Water	EPA 6020B	346913
180-117048-18	SGWC-16	Total Recoverable	Water	EPA 6020B	346913
180-117048-19	DUP-1 (AP)	Total Recoverable	Water	EPA 6020B	346913
180-117048-20	FB-1 (AP)	Total Recoverable	Water	EPA 6020B	346913
180-117048-21	EB-1 (AP)	Total Recoverable	Water	EPA 6020B	346913
180-117048-22	SGWC-14	Total Recoverable	Water	EPA 6020B	346913
180-117050-1	SGWC-17	Total Recoverable	Water	EPA 6020B	346914
180-117050-2	SGWC-18	Total Recoverable	Water	EPA 6020B	346914
180-117050-3	SGWC-19	Total Recoverable	Water	EPA 6020B	346914
180-117050-4	SGWC-20	Total Recoverable	Water	EPA 6020B	346914
180-117050-5	SGWC-21	Total Recoverable	Water	EPA 6020B	346914
180-117050-6	SGWC-22	Total Recoverable	Water	EPA 6020B	346914
180-117050-7	SGWC-23	Total Recoverable	Water	EPA 6020B	346914
180-117050-8	DUP-2 (AP)	Total Recoverable	Water	EPA 6020B	346914
180-117050-9	FB-2 (AP)	Total Recoverable	Water	EPA 6020B	346914
180-117050-10	EB-2 (AP)	Total Recoverable	Water	EPA 6020B	346914
MB 180-346913/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	346913
MB 180-346914/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	346914
LCS 180-346913/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	346913
LCS 180-346914/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	346914
180-116779-K-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	346913
180-116779-K-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	346913
180-117050-1 MS	SGWC-17	Total Recoverable	Water	EPA 6020B	346914
180-117050-1 MSD	SGWC-17	Total Recoverable	Water	EPA 6020B	346914

### Analysis Batch: 347409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	EPA 7470A	346437
180-117048-2	SGWA-2	Total/NA	Water	EPA 7470A	346437

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# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Metals (Continued)

### Analysis Batch: 347409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-3	SGWA-3	Total/NA	Water	EPA 7470A	346437
180-117048-4	SGWA-4	Total/NA	Water	EPA 7470A	346437
180-117048-5	SGWA-5	Total/NA	Water	EPA 7470A	346437
180-117048-6	SGWA-24	Total/NA	Water	EPA 7470A	346439
180-117048-7	SGWA-25	Total/NA	Water	EPA 7470A	346439
180-117048-8	SGWC-6	Total/NA	Water	EPA 7470A	346439
180-117048-9	SGWC-7	Total/NA	Water	EPA 7470A	346439
180-117048-10	SGWC-8	Total/NA	Water	EPA 7470A	346439
180-117048-11	SGWC-9	Total/NA	Water	EPA 7470A	346439
180-117048-12	SGWC-10	Total/NA	Water	EPA 7470A	346439
180-117048-13	SGWC-11	Total/NA	Water	EPA 7470A	346439
180-117048-14	SGWC-12	Total/NA	Water	EPA 7470A	346439
180-117048-15	SGWC-13	Total/NA	Water	EPA 7470A	346439
180-117048-17	SGWC-15	Total/NA	Water	EPA 7470A	346439
180-117048-18	SGWC-16	Total/NA	Water	EPA 7470A	346439
180-117048-19	DUP-1 (AP)	Total/NA	Water	EPA 7470A	346439
180-117048-20	FB-1 (AP)	Total/NA	Water	EPA 7470A	346439
180-117048-21	EB-1 (AP)	Total/NA	Water	EPA 7470A	346441
180-117048-22	SGWC-14	Total/NA	Water	EPA 7470A	346441
180-117050-1	SGWC-17	Total/NA	Water	EPA 7470A	346441
180-117050-2	SGWC-18	Total/NA	Water	EPA 7470A	346441
180-117050-3	SGWC-19	Total/NA	Water	EPA 7470A	346441
180-117050-4	SGWC-20	Total/NA	Water	EPA 7470A	346441
180-117050-5	SGWC-21	Total/NA	Water	EPA 7470A	346441
180-117050-6	SGWC-22	Total/NA	Water	EPA 7470A	346441
180-117050-7	SGWC-23	Total/NA	Water	EPA 7470A	346441
180-117050-8	DUP-2 (AP)	Total/NA	Water	EPA 7470A	346441
180-117050-9	FB-2 (AP)	Total/NA	Water	EPA 7470A	346437
180-117050-10	EB-2 (AP)	Total/NA	Water	EPA 7470A	346437
MB 180-346437/1-A	Method Blank	Total/NA	Water	EPA 7470A	346437
MB 180-346439/1-A	Method Blank	Total/NA	Water	EPA 7470A	346439
MB 180-346441/1-A	Method Blank	Total/NA	Water	EPA 7470A	346441
LCS 180-346437/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	346437
LCS 180-346439/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	346439
LCS 180-346441/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	346441
180-117036-B-2-A MS	Matrix Spike	Total/NA	Water	EPA 7470A	346437
180-117036-B-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	346437
180-117048-9 MS	SGWC-7	Total/NA	Water	EPA 7470A	346439
180-117048-9 MSD	SGWC-7	Total/NA	Water	EPA 7470A	346439
180-117050-6 MS	SGWC-22	Total/NA	Water	EPA 7470A	346441
180-117050-6 MSD	SGWC-22	Total/NA	Water	EPA 7470A	346441

## Field Service / Mobile Lab

### Analysis Batch: 346556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	Field Sampling	
180-117048-2	SGWA-2	Total/NA	Water	Field Sampling	
180-117048-3	SGWA-3	Total/NA	Water	Field Sampling	
180-117048-4	SGWA-4	Total/NA	Water	Field Sampling	
180-117048-5	SGWA-5	Total/NA	Water	Field Sampling	

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# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 346556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-6	SGWA-24	Total/NA	Water	Field Sampling	
180-117048-7	SGWA-25	Total/NA	Water	Field Sampling	
180-117048-8	SGWC-6	Total/NA	Water	Field Sampling	
180-117048-9	SGWC-7	Total/NA	Water	Field Sampling	
180-117048-10	SGWC-8	Total/NA	Water	Field Sampling	
180-117048-11	SGWC-9	Total/NA	Water	Field Sampling	
180-117048-12	SGWC-10	Total/NA	Water	Field Sampling	
180-117048-13	SGWC-11	Total/NA	Water	Field Sampling	
180-117048-14	SGWC-12	Total/NA	Water	Field Sampling	
180-117048-15	SGWC-13	Total/NA	Water	Field Sampling	
180-117048-17	SGWC-15	Total/NA	Water	Field Sampling	
180-117048-18	SGWC-16	Total/NA	Water	Field Sampling	
180-117048-22	SGWC-14	Total/NA	Water	Field Sampling	
180-117050-1	SGWC-17	Total/NA	Water	Field Sampling	
180-117050-2	SGWC-18	Total/NA	Water	Field Sampling	
180-117050-3	SGWC-19	Total/NA	Water	Field Sampling	
180-117050-4	SGWC-20	Total/NA	Water	Field Sampling	
180-117050-5	SGWC-21	Total/NA	Water	Field Sampling	
180-117050-6	SGWC-22	Total/NA	Water	Field Sampling	
180-117050-7	SGWC-23	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**

**244- ATLANTA**  
 THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

**Client Contact**  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA, 30308  
 Phone (404) 506-7239  
 FAX  
 Project Name: GPC Plant Scherer  
 Site: AP-1  
 P O # 166235021

**Project Manager:** Dawn Prell  
 Tel/Fax: 248-536-5445

**Site Contact:** Karim Minkara  
 Lab Contact: Veronica Borbot

**Date:** 2/9/2021  
**Carrier:** \_\_\_\_\_

**COC No.:** \_\_\_\_\_ of \_\_\_\_\_ COCs

**Sampler:** Folder

**Only:** \_\_\_\_\_  
 it: \_\_\_\_\_  
 f: \_\_\_\_\_  
 n: \_\_\_\_\_



Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		App IV Metals		Radium 226 / 228		Fluoride	Sample Specific Notes:
						Y	N	Y	N	Y	N	Y	N		
SGWA-1	2/9/2021	10:05	G	GW	4			X		X		X			pH: 5.25
SGWA-2	2/9/2021	11:01	G	GW	4			X		X		X			pH: 6.75
SGWA-3	2/9/2021	11:35	G	GW	4			X		X		X			pH: 5.80
SGWA-4	2/9/2021	12:55	G	GW	4			X		X		X			pH: 6.38
SGWA-5	2/9/2021	10:10	G	GW	4			X		X		X			pH: 5.53
SGWA-24	2/9/2021	10:30	G	GW	4			X		X		X			pH: 6.40
SGWA-25	2/9/2021	11:30	G	GW	4			X		X		X			pH: 6.06
SGWC-6	2/9/2021	12:32	G	GW	4			X		X		X			pH: 6.34
SGWC-7	2/9/2021	14:15	G	GW	4			X		X		X			pH: 6.42
SGWC-8	2/9/2021	14:35	G	GW	4			X		X		X			pH: 6.35
SGWC-9	2/9/2021	16:00	G	GW	4			X		X		X			pH: 6.21
SGWC-10	2/9/2021	17:00	G	GW	4			X		X		X			pH: 5.23

**Preservation Used:** 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

**Possible Hazard Identification:** Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Unknown

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**  
 \*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium.

**Custody Seals Intact:**  Yes  No

**Relinquished by:** \_\_\_\_\_  
 Company: **Golder**

**Relinquished by:** \_\_\_\_\_  
 Date/Time: 2-10-21/8:12  
 Company: **Rayne Cook**

**Relinquished by:** \_\_\_\_\_  
 Date/Time: 2/10/21  
 Company: **EPA**

**Relinquished by:** \_\_\_\_\_  
 Date/Time: 2/11/21  
 Company: **Rayne Cook**

**Received in Laboratory by:** \_\_\_\_\_  
 Date/Time: 02/10/21  
 Company: **EPA**

**Received in Laboratory by:** \_\_\_\_\_  
 Date/Time: 2/11/21  
 Company: **Rayne Cook**

**Therm ID No.:** \_\_\_\_\_  
**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_  
**Corrd.:** \_\_\_\_\_  
**Company:** **Rayne Cook**  
**Date/Time:** 2/10/21

**Form No. CA-C-WI-002, Rev. 4.18, dated 9/5/2018**



Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell Tel/Fax: 248-536-5445		Date: 2/9/2021	
Client Contact		Site Contact: Karim Minkara	
Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA, 30308 (404) 506-7239 Phone FAX		Lab Contact: Veronica Bortot	
Project Name: GPC Plant Scherer Site: AP-1 P O # 166235021		Carrier:	
Analysis Turnaround Time		COC No: 2 of 2 COCs	
<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sampler: Golder	
For Lab Use Only:		Walk-in Client:	
Lab Sampling:		Job / SDG No.:	

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	# of Cont.	Sample		Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
					Matrix	Matrix						
SGWC-11	2/9/2021	12:53	G	6	GW	GW	X	X	X	X	X	pH: 5.24, extra radium
SGWC-12	2/9/2021	14:05	G	4	GW	GW	X	X	X	X	X	pH: 6.13
SGWC-13	2/9/2021	15:50	G	4	GW	GW	X	X	X	X	X	pH: 5.98
SGWC-14	2/9/2021	16:38	G	4	GW	GW	X	X	X	X	X	pH: 5.85
SGWC-15	2/9/2021	16:26	G	4	GW	GW	X	X	X	X	X	pH: 4.63
SGWC-16	2/9/2021	17:07	G	4	GW	GW	X	X	X	X	X	pH: 5.22
DUP-1 (AP)	2/9/2021		G	4	GW	GW	X	X	X	X	X	
FB-1 (AP)	2/9/2021	16:15	G	4	GW	GW	X	X	X	X	X	
EB-1 (AP)	2/9/2021	10:45	G	4	GW	GW	X	X	X	X	X	
					4	4	1					

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3; 5=NaOH; 6= Other  
 Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:  
 \*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium.

Return to Client <input type="checkbox"/>	Disposal by Lab <input type="checkbox"/>	Archive for Months
Received by: <u>Blaney Cook</u>	Company: <u>Carrier North</u>	Date/Time: <u>2/10/21</u>
Received by: <u>[Signature]</u>	Company: <u>[Signature]</u>	Date/Time: <u>2/10/21</u>
Received by: <u>[Signature]</u>	Company: <u>[Signature]</u>	Date/Time: <u>2/10/21</u>

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445

Client Contact  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA, 30308  
 (404) 506-7239 Phone  
 Project Name: GPC Plant Scherer  
 Site: AP-1  
 P O # 166235021

Site Contact: Karim Minkara  
 Lab Contact: Veronica Bortot  
 Date: 2/10/2021  
 Carrier: \_\_\_\_\_

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs  
 Sampler: Golder

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grav)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
						Y	N	Y	N				
SGWC-17	2/10/2021	9:42	G	GW	6			X	X	X	X	X	pH: 6.23 ; extra radium
SGWC-18	2/10/2021	10:55	G	GW	4			X	X	X	X	X	pH: 4.80
SGWC-19	2/10/2021	11:24	G	GW	4			X	X	X	X	X	pH: 5.55
SGWC-20	2/10/2021	10:24	G	GW	4			X	X	X	X	X	pH: 4.22
SgWC-21	2/10/2021	9:28	G	GW	4			X	X	X	X	X	pH: 6.21
SGWC-22	2/10/2021	10:45	G	GW	4			X	X	X	X	X	pH: 5.58
SGWC-23	2/10/2021	9:50	G	GW	4			X	X	X	X	X	pH: 5.85
DUP-2 (AP)	2/10/2021	-	G	GW	4			X	X	X	X	X	
FB-2 (AP)	2/10/2021	9:30	G	GW	4			X	X	X	X	X	
EB-2 (AP)	2/10/2021	11:00	G	GW	4			X	X	X	X	X	
						4	4	1					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_

Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments:  
 \*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seal No.: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Company: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Company: \_\_\_\_\_

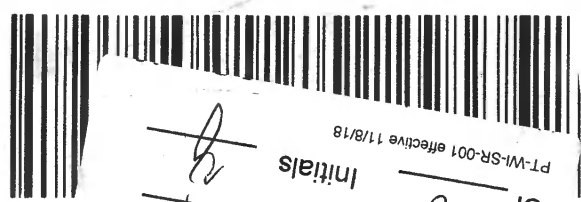
Therm ID No.: \_\_\_\_\_  
 Cooler Temp. (°C): \_\_\_\_\_ Obs'd: \_\_\_\_\_

Form No. CA-C-WI-002, Rev. 4.18, dated 9/5/2018

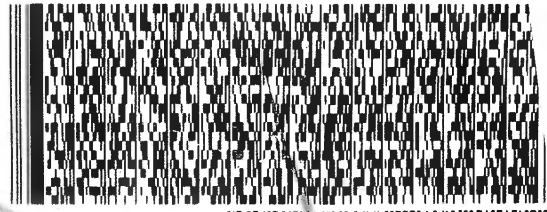




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3 of 7  
 # 1516 9328 0949  
 # 1516 9328 0949  
 0201  
**A** Uncorrected Temp  
 Thermometer ID  
 CF  
 Initials  
 PT-WI-SR-001 effective 11/8/18  
 PA-US  
 15238  
 PIT  
 THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT



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 Express  
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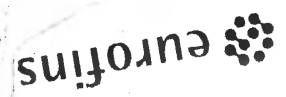
REF: GOLDR - PLT SCHERE  
 (412) 968-7068  
**PITTSBURGH PA 15238**  
 RIDC PARK  
 301 ALPHA DR.  
 EUROFINS TESTAMERICA PITTSBURGH  
 SAMPLE RECEIVING  
 10

ORIGIN ID: LLYA (678) 966-9991  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY MN  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 10FEB21  
 ACTWGT: 66.85 LB  
 CAD: 859116/CAFE3406  
 BILL RECIPIENT

Part # 159469-434 RIT2 EXP 11/21

Environment Testing  
 TestAmerica



No Not Use Using This Tag



180-117048 Waybill





Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

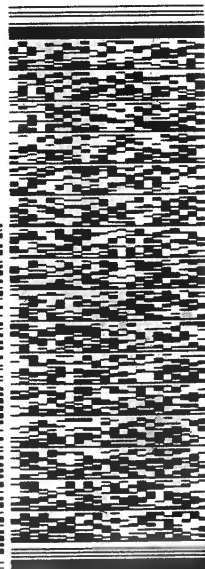
BILL RECIPIENT

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 968-7068

REF: GOLDER - PLT SCHERE

FedEx  
Express



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0971

Metr# 1516 9328 0927

NA AGCA

15238

PA-US

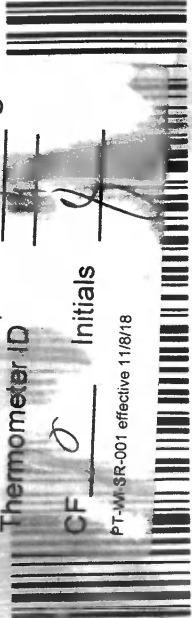
PIT

Uncorrected temp  
Thermometer ID

17 °C

CF 0 Initials

PT-WI-SR-001 effective 11/8/18



Part # 159469-434 RIT2 EXP 11/21



Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

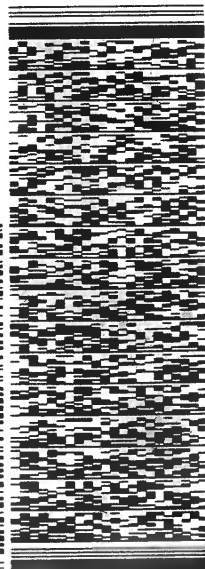
BILL RECIPIENT

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 968-7068

REF: GOLDER - PLT SCHERE

FedEx  
Express



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0971

Metr# 1516 9328 0927

NA AGCA

15238

PA-US

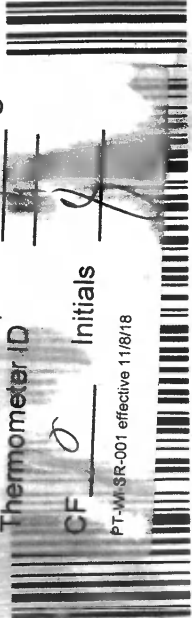
PIT

Uncorrected temp  
Thermometer ID

17 °C

CF 0 Initials

PT-WI-SR-001 effective 11/8/18



SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

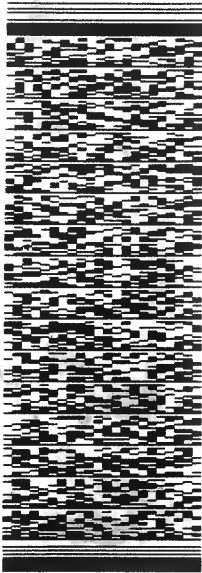
BILL RECIPIENT

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 968-7068

REF: GOLDER - PLT SCHERE

FedEx  
Express



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

2 of 7

MPS# 1516 9328 0938

Metr# 1516 9328 0927

0201

NA AGCA

15238

PA-US

PIT

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Uncorrected temp

Thermometer ID

Initials

CF 0

PT-WI-SR-001 effective 11/8/18



Environment Testing  
TestAmerica

2 EXP 11/21

56M2/259R/05A2

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EXP 11/21

Environment Testing  
TestAmerica



SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

ORIGIN ID: LIYA (678) 966-9991  
CDR: TAYLOR  
EUR: INS TESTING AMERICA ATL SC  
SP: REGENCY PARKWAY NH  
SITE: 900  
SHIP TO: CROSS, GA 30071  
UNITED STATES US

**SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

REF: **GOLDER - PLI SCHERE**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0960  
Mstr# 1516 9328 0927

5 of 7  
**NA AGCA**  
Uncorrected temp  
Thermometer ID

CF    Initials   

PT-WI-SR-001 effective 11/8/18



946-434 RIT2 EXP 11/21

Environment Testing  
TestAmerica

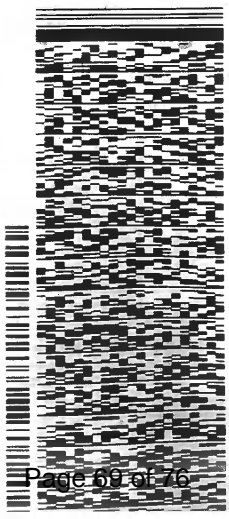
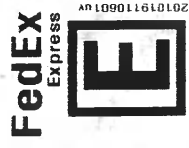


SHIP DATE: 10FEB21  
ACTWGT: 55.00 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

**SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

REF: **GOLDER**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

1516 9328 0993

**AGCA**  
Uncorrected temp  
Thermometer ID

°C

CF    Initials   

PT-WI-SR-001 effective 11/8/18



2/26/2021

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0950 02.11

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CRD: 859116/CAFE3406  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 863-7068  
REF: **GOLDER - PLI SCHERE**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0950  
Mstr# 1516 9328 0927

**NA AGCA**

Uncorrected temp  
Thermometer ID

15238  
PA-US  
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CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18

32 °C  
14

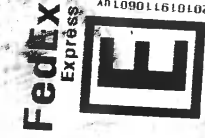


Environment Testing  
TestAmerica

ORIGIN ID: LIYA (8) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 11FEB21  
ACTWGT: 61.85 LB  
CRD: 859116/CAFE3406  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 863-7068  
REF: **GOLDER - PLI SCHERE**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0982  
Mstr# 1516 9328 0927

**NA AGCA**

Uncorrected temp  
Thermometer ID

15238  
PA-US  
PIT

CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18

32 °C  
14







Environment Testing



180-117050 Waybill

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068

REF: **GOLDER - PLT SCHERE**



FedEx Express



**THU - 11 FEB 4:30P**  
**STANDARD OVERNIGHT**

6 of 7

MPS# 1516 9328 0971

Mstr# 1516 9328 0927

**NA AGCA**

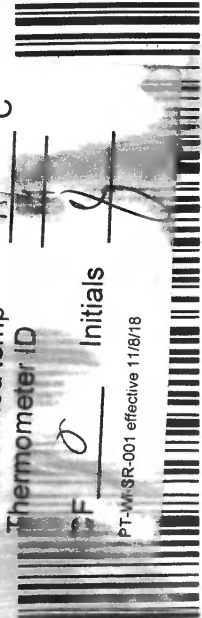
**15238**  
**PIT**

Uncorrected temp  
Thermometer ID

°C

Initials

PT-MH-SR-001 effective 11/8/18



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Environment Testing  
TestAmerica

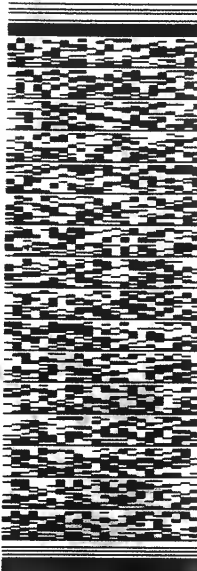
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GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068

REF: **GOLDER - PLT SCHERE**



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**THU - 11 FEB 4:30P**  
**STANDARD OVERNIGHT**

2 of 7

MPS# 1516 9328 0938

Mstr# 1516 9328 0927

**NA AGCA**

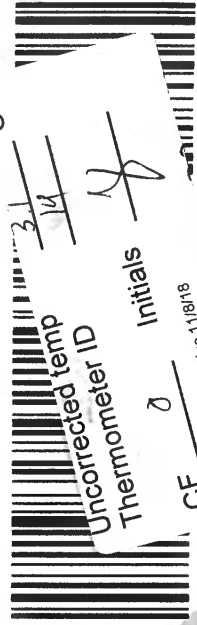
**15238**  
**PIT**

Uncorrected temp  
Thermometer ID

°C

Initials

PT-MH-SR-001 effective 11/8/18



55MC2/25QR/05A2

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eurolins

Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
E TAYLOR  
INS TESTING AMERICA ATL SC  
REGENCY PARKWAY NW  
900  
ROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWT: 55.00 LB MAN  
CAD: 859116/CAFE3406

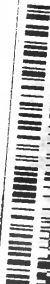
BILL RECIPIENT

SAMPLE RECIEVING

JROFINS TESTAMERICA PITTSBURGH  
11 ALPHA DR.  
IDC PARK

PITTSBURGH PA 15238

363-7058  
GOLDER



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Express



1516 9328 0993 THU - 11 FEB 4:30P  
STANDARD OVERNIGHT HT

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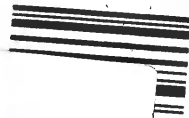
Uncorrected temp  
Thermometer ID

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CF 0 Initials g

PT-WI-SR-001 effective 11/8/18

15238 38  
PA-US PIT 'IT



EXP 11/21

Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
E TAYLOR  
INS TESTING AMERICA ATL SC  
REGENCY PARKWAY NW  
900  
ROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWT: 66.85 LB  
CAD: 859116/CAFE3406

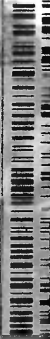
BILL RECIPIENT

SAMPLE RECIEVING

EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK

PITTSBURGH PA 15238

412-963-7058  
REF: GOLDER - PLT SCHERE



FedEx  
Express



5 of 7 1516 9328 0960 THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 0263  
Mstr# 1516 9328 0927 0201

NA AGCA

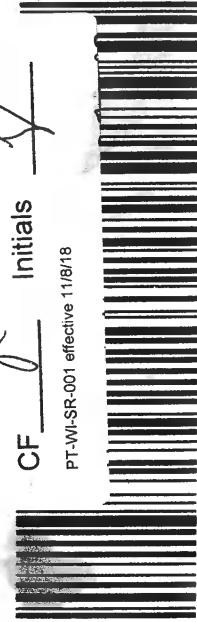
Uncorrected temp  
Thermometer ID

23  
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CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18

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PIT



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Cust DATE SIGNAT

ns  
eurofins  
Environment Testing  
America

ORIGIN ID: LIVA (8) 966-9891  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NW  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 11 FEB 2011  
 ACTING: 66.85 LB  
 CAD: 859116/CAFES406  
 BILL RECIPIENT

TO SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 (412) 963-7068  
 REF: GOLDR - P.LI. SCHERE

FedEx Express




7 of 7  
 THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT  
 MPS# 1516 9328 0982  
 Mstr# 1516 9328 0927

NA AGCA

15238  
 PA-US PIT  
 Uncorrected temp 3.2 °C  
 Thermometer ID 14



CF Initials  
 Initials  
 PT-WI-SR-001 effective 11/8/18

eurofins  
 RT 97  
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 0950  
 02.11

ORIGIN ID: LIVA (678) 966-9891  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NW  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

TO SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 (412) 963-7068  
 REF: GOLDR - P.LI. SCHERE

FedEx Express

4 of 7  
 THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT  
 MPS# 1516 9328 0950  
 Mstr# 1516 9328 0927

NA AGCA

15238  
 PA-US PIT  
 Uncorrected temp 3.2 °C  
 Thermometer ID 14

CF Initials  
 Initials  
 PT-WI-SR-001 effective 11/8/18





**Do Not Use This Tag**

**eurofins**

**Environment Testing  
TestAmerica**

Part # 159469-434 RITZ EXP 11/21

RTGIN ID: LIYA (678).966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
215 REGENCY PARKWAY NW  
SUITE 900  
DORCROSS, GA 30071  
UNITED STATES US

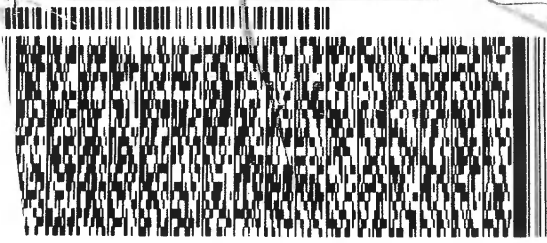
SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

**SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238**

0201

(412) 963-7058  
REF: GOLDER - PLT SCHERE



**FedEx  
Express**



AN 039011610102F

3 of 7  
**1516 9328 0949**  
# 1516 9328 0949  
0201  
**THU - 11 FEB 4:30P  
STANDARD OVERNIGHT**

**AACCA**  
Uncorrected temp  
Thermometer ID  
15238  
PA-US  
PIT  
CF Initials  
PT-WI-SR-001 effective 11/8/18

2.5  
19  
27  
°C



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## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-1

**Login Number: 117048**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-1

**Login Number: 117050**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-117048-2

Client Project/Site: GPC Plant Scherer AP-1

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
3/16/2021 3:28:49 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Job ID: 180-117048-2

### Laboratory: Eurofins TestAmerica, Pittsburgh

#### Narrative

#### Job Narrative 180-117048-2

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/11/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 1.7° C, 1.7° C, 2.2° C, 2.2° C, 2.3° C, 2.3° C, 2.3° C, 3.1° C, 3.1° C, 3.2° C, 3.2° C, 3.2° C and 3.7° C.

#### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished.

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SGWC-14 (180-117048-16). The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SGWC-21 (180-117048-22). The client was contacted. Sample -22 corresponds to SGWC-14 collected on 2/9/2021 at 16:38. The correction was made and is reflected in this report.

The container label for one of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWA-3 (180-117048-3). The container labels list SGWA-5, while the COC lists SGWA-3. The ID on the COC was used. The client was contacted and the ID on the COC is correct.

The container label for one of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWC-14 (180-117048-22). The container labels list SGWC-14, while the COC lists SGWC-21. The ID on the COC was used. The client was contacted and the ID on the COC is correct.

Sample 180-117048-A-3 (1L HNO<sub>3</sub>-preserved) was received at ETASTL with the lid sheered off and no volume left in the bottle. The lab will proceed with the requested GFPC analyses using the remaining "B" bottle that was received intact for this sample. SGWA-3 (180-117048-3)

#### RAD

Method 9315: 9315 prep batch 499140

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-1 (180-117048-1), SGWA-2 (180-117048-2), SGWA-3 (180-117048-3), SGWA-4 (180-117048-4), SGWA-5 (180-117048-5), SGWA-24 (180-117048-6), SGWA-25 (180-117048-7), SGWC-6 (180-117048-8), SGWC-7 (180-117048-9), SGWC-8 (180-117048-10), SGWC-9 (180-117048-11), SGWC-10 (180-117048-12), SGWC-11 (180-117048-13), SGWC-12 (180-117048-14), SGWC-13 (180-117048-15), SGWC-15 (180-117048-17), (LCS 160-499140/1-A), (LCSD 160-499140/2-A) and (MB 160-499140/23-A)

Methods 903.0, 9315: 9315 prep batch 499165

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWC-16 (180-117048-18), DUP-1 (AP) (180-117048-19), FB-1 (AP) (180-117048-20), EB-1 (AP) (180-117048-21), SGWC-14 (180-117048-22), SGWC-17 (180-117050-1), SGWC-18 (180-117050-2), SGWC-19 (180-117050-3), SGWC-20 (180-117050-4), SGWC-21 (180-117050-5), SGWC-22 (180-117050-6), SGWC-23 (180-117050-7), DUP-2 (AP) (180-117050-8), FB-2 (AP) (180-117050-9), EB-2 (AP) (180-117050-10), (LCS 160-499165/1-A), (MB 160-499165/23-A) and (180-117050-B-1-B DU)

Method 9320: 9320 prep batch 499144

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-1 (180-117048-1), SGWA-2 (180-117048-2), SGWA-3 (180-117048-3), SGWA-4 (180-117048-4), SGWA-5 (180-117048-5), SGWA-24 (180-117048-6), SGWA-25 (180-117048-7), SGWC-6 (180-117048-8), SGWC-7 (180-117048-9), SGWC-8 (180-117048-10), SGWC-9 (180-117048-11), SGWC-10 (180-117048-12), SGWC-11 (180-117048-13),



# Case Narrative

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

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## Job ID: 180-117048-2 (Continued)

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### Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

SGWC-12 (180-117048-14), SGWC-13 (180-117048-15), SGWC-15 (180-117048-17), (LCS 160-499144/1-A), (LCSD 160-499144/2-A) and (MB 160-499144/23-A)

Methods 904.0, 9320: Radium-228 batch 499169

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

SGWC-16 (180-117048-18), DUP-1 (AP) (180-117048-19), FB-1 (AP) (180-117048-20), EB-1 (AP) (180-117048-21), SGWC-14 (180-117048-22), SGWC-17 (180-117050-1), SGWC-18 (180-117050-2), SGWC-19 (180-117050-3), SGWC-20 (180-117050-4), SGWC-21 (180-117050-5), SGWC-22 (180-117050-6), SGWC-23 (180-117050-7), DUP-2 (AP) (180-117050-8), FB-2 (AP) (180-117050-9), EB-2 (AP) (180-117050-10), (LCS 160-499169/1-A), (MB 160-499169/23-A) and (180-117050-B-1-D DU)

Method PrecSep\_0: Radium 228 Prep Batch 160-499144:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWA-1 (180-117048-1), SGWA-2 (180-117048-2), SGWA-3 (180-117048-3), SGWA-4 (180-117048-4), SGWA-5 (180-117048-5), SGWA-24 (180-117048-6), SGWA-25 (180-117048-7), SGWC-6 (180-117048-8), SGWC-7 (180-117048-9), SGWC-8 (180-117048-10), SGWC-9 (180-117048-11), SGWC-10 (180-117048-12), SGWC-11 (180-117048-13), SGWC-12 (180-117048-14), SGWC-13 (180-117048-15) and SGWC-15 (180-117048-17). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-499140:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWA-1 (180-117048-1), SGWA-2 (180-117048-2), SGWA-3 (180-117048-3), SGWA-4 (180-117048-4), SGWA-5 (180-117048-5), SGWA-24 (180-117048-6), SGWA-25 (180-117048-7), SGWC-6 (180-117048-8), SGWC-7 (180-117048-9), SGWC-8 (180-117048-10), SGWC-9 (180-117048-11), SGWC-10 (180-117048-12), SGWC-11 (180-117048-13), SGWC-12 (180-117048-14), SGWC-13 (180-117048-15) and SGWC-15 (180-117048-17). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Definitions/Glossary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## 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.
α	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

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Laboratory: Eurofins TestAmerica, St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-22
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-21
California	Los Angeles County Sanitation Districts	10259	06-30-21
California	State	2886	06-30-21
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-21
HI - RadChem Recognition	State	n/a	06-30-21
Illinois	NELAP	004553	11-30-21
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-21
Kentucky (DW)	State	KY90125	01-01-22
Louisiana	NELAP	04080	06-30-21
Louisiana (DW)	State	LA011	12-31-21
Maryland	State	310	09-30-21
MI - RadChem Recognition	State	9005	06-30-21
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-21
New Jersey	NELAP	MO002	06-30-21
New York	NELAP	11616	04-01-21
North Dakota	State	R-207	06-30-21
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-21
Oregon	NELAP	4157	09-01-21
Pennsylvania	NELAP	68-00540	03-01-22
South Carolina	State	85002001	06-30-21
Texas	NELAP	T104704193-19-13	07-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-21
Virginia	NELAP	10310	06-14-21
Washington	State	C592	08-30-21
West Virginia DEP	State	381	10-31-21

# Sample Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-117048-1	SGWA-1	Water	02/09/21 10:05	02/11/21 11:00	
180-117048-2	SGWA-2	Water	02/09/21 11:01	02/11/21 11:00	
180-117048-3	SGWA-3	Water	02/09/21 11:35	02/11/21 11:00	
180-117048-4	SGWA-4	Water	02/09/21 12:55	02/11/21 11:00	
180-117048-5	SGWA-5	Water	02/09/21 10:10	02/11/21 11:00	
180-117048-6	SGWA-24	Water	02/09/21 10:30	02/11/21 11:00	
180-117048-7	SGWA-25	Water	02/09/21 11:30	02/11/21 11:00	
180-117048-8	SGWC-6	Water	02/09/21 12:32	02/11/21 11:00	
180-117048-9	SGWC-7	Water	02/09/21 14:15	02/11/21 11:00	
180-117048-10	SGWC-8	Water	02/09/21 14:35	02/11/21 11:00	
180-117048-11	SGWC-9	Water	02/09/21 16:00	02/11/21 11:00	
180-117048-12	SGWC-10	Water	02/09/21 17:00	02/11/21 11:00	
180-117048-13	SGWC-11	Water	02/09/21 12:53	02/11/21 11:00	
180-117048-14	SGWC-12	Water	02/09/21 14:05	02/11/21 11:00	
180-117048-15	SGWC-13	Water	02/09/21 15:50	02/11/21 11:00	
180-117048-17	SGWC-15	Water	02/09/21 16:26	02/11/21 11:00	
180-117048-18	SGWC-16	Water	02/09/21 17:07	02/11/21 11:00	
180-117048-19	DUP-1 (AP)	Water	02/09/21 00:00	02/11/21 11:00	
180-117048-20	FB-1 (AP)	Water	02/09/21 16:15	02/11/21 11:00	
180-117048-21	EB-1 (AP)	Water	02/09/21 10:45	02/11/21 11:00	
180-117048-22	SGWC-14	Water	02/09/21 16:38	02/11/21 11:00	
180-117050-1	SGWC-17	Water	02/10/21 09:42	02/11/21 15:24	
180-117050-2	SGWC-18	Water	02/10/21 10:55	02/11/21 15:24	
180-117050-3	SGWC-19	Water	02/10/21 11:24	02/11/21 15:24	
180-117050-4	SGWC-20	Water	02/10/21 10:24	02/11/21 15:24	
180-117050-5	SGWC-21	Water	02/10/21 09:28	02/11/21 15:24	
180-117050-6	SGWC-22	Water	02/10/21 10:45	02/11/21 15:24	
180-117050-7	SGWC-23	Water	02/10/21 09:50	02/11/21 15:24	
180-117050-8	DUP-2 (AP)	Water	02/10/21 00:00	02/11/21 15:24	
180-117050-9	FB-2 (AP)	Water	02/10/21 09:30	02/11/21 15:24	
180-117050-10	EB-2 (AP)	Water	02/10/21 11:00	02/11/21 15:24	

# Method Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	TAL SL
9320	Radium-228 (GFPC)	SW846	TAL SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	TAL SL
PrecSep_0	Preparation, Precipitate Separation	None	TAL SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	TAL 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:

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Client Sample ID: SGWA-1

## Lab Sample ID: 180-117048-1

Date Collected: 02/09/21 10:05

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.34 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 17:11	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.34 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-2

## Lab Sample ID: 180-117048-2

Date Collected: 02/09/21 11:01

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.20 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 17:12	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.20 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-3

## Lab Sample ID: 180-117048-3

Date Collected: 02/09/21 11:35

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.75 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 17:12	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.75 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-4

## Lab Sample ID: 180-117048-4

Date Collected: 02/09/21 12:55

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.04 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 17:12	ANW	TAL SL
Instrument ID: GFPCBLUE										



# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Client Sample ID: SGWA-4

## Lab Sample ID: 180-117048-4

Date Collected: 02/09/21 12:55

Matrix: Water

Date Received: 02/11/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.04 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-5

## Lab Sample ID: 180-117048-5

Date Collected: 02/09/21 10:10

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.19 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:05	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.19 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-24

## Lab Sample ID: 180-117048-6

Date Collected: 02/09/21 10:30

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.14 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:06	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.14 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500811	03/04/21 12:03	CMM	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-25

## Lab Sample ID: 180-117048-7

Date Collected: 02/09/21 11:30

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.34 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:06	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.34 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:10	CMM	TAL SL
Instrument ID: GFPCBLUE										

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-25**  
**Date Collected: 02/09/21 11:30**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL

**Client Sample ID: SGWC-6**  
**Date Collected: 02/09/21 12:32**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-8**  
**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			1000.05 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:06	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.05 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:10	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-7**  
**Date Collected: 02/09/21 14:15**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-9**  
**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			1000.05 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:07	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.05 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:10	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-8**  
**Date Collected: 02/09/21 14:35**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-10**  
**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			1000.39 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:07	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.39 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Client Sample ID: SGWC-9

Date Collected: 02/09/21 16:00

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-11

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			1000.84 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:07	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.84 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-10

Date Collected: 02/09/21 17:00

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-12

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			1000.74 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:07	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.74 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-11

Date Collected: 02/09/21 12:53

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-13

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			1000.75 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:07	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.75 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-12

Date Collected: 02/09/21 14:05

Date Received: 02/11/21 11:00

## Lab Sample ID: 180-117048-14

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			1000.28 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:08	ANW	TAL SL
Instrument ID: GFPCPURPLE										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-12**  
**Date Collected: 02/09/21 14:05**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-14**  
**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			1000.28 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-13**  
**Date Collected: 02/09/21 15:50**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-15**  
**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			1000.12 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:08	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.12 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-15**  
**Date Collected: 02/09/21 16:26**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-17**  
**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			1000.43 mL	1.0 g	499140	02/18/21 11:41	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 17:08	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.43 mL	1.0 g	499144	02/18/21 12:29	JEC	TAL SL
Total/NA	Analysis	9320		1			500812	03/04/21 12:11	CMM	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502079	03/16/21 15:12	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-16**  
**Date Collected: 02/09/21 17:07**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-18**  
**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			1000.08 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:24	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.08 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500592	03/03/21 12:40	ANW	TAL SL
Instrument ID: GFPCORANGE										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-16**  
**Date Collected: 02/09/21 17:07**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-18**  
**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	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL

**Client Sample ID: DUP-1 (AP)**  
**Date Collected: 02/09/21 00:00**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-19**  
**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			1000.38 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:24	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500592	03/03/21 12:40	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: FB-1 (AP)**  
**Date Collected: 02/09/21 16:15**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-20**  
**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			1000.00 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:24	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.00 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500592	03/03/21 12:40	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: EB-1 (AP)**  
**Date Collected: 02/09/21 10:45**  
**Date Received: 02/11/21 11:00**

**Lab Sample ID: 180-117048-21**  
**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			1000.52 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:25	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.52 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500592	03/03/21 12:40	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Client Sample ID: SGWC-14

## Lab Sample ID: 180-117048-22

Date Collected: 02/09/21 16:38

Matrix: Water

Date Received: 02/11/21 11:00

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			1000.30 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:25	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.30 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500592	03/03/21 12:40	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-17

## Lab Sample ID: 180-117050-1

Date Collected: 02/10/21 09:42

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.54 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:26	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.54 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:44	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-18

## Lab Sample ID: 180-117050-2

Date Collected: 02/10/21 10:55

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.20 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:26	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.20 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:45	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-19

## Lab Sample ID: 180-117050-3

Date Collected: 02/10/21 11:24

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.42 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501647	03/12/21 14:26	ANW	TAL SL
Instrument ID: GFPCBLUE										



# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Client Sample ID: SGWC-19

## Lab Sample ID: 180-117050-3

Date Collected: 02/10/21 11:24

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.42 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:46	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-20

## Lab Sample ID: 180-117050-4

Date Collected: 02/10/21 10:24

Matrix: Water

Date Received: 02/11/21 15:24

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	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:29	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.85 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:46	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-21

## Lab Sample ID: 180-117050-5

Date Collected: 02/10/21 09:28

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.59 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:29	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.59 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:46	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-22

## Lab Sample ID: 180-117050-6

Date Collected: 02/10/21 10:45

Matrix: Water

Date Received: 02/11/21 15:24

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			1000.45 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:30	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.45 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:46	ANW	TAL SL
Instrument ID: GFPCBLUE										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-22**  
**Date Collected: 02/10/21 10:45**  
**Date Received: 02/11/21 15:24**

**Lab Sample ID: 180-117050-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL

**Client Sample ID: SGWC-23**  
**Date Collected: 02/10/21 09:50**  
**Date Received: 02/11/21 15:24**

**Lab Sample ID: 180-117050-7**  
**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			1000.35 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:30	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.35 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:47	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-2 (AP)**  
**Date Collected: 02/10/21 00:00**  
**Date Received: 02/11/21 15:24**

**Lab Sample ID: 180-117050-8**  
**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			1000.04 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:30	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.04 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:47	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: FB-2 (AP)**  
**Date Collected: 02/10/21 09:30**  
**Date Received: 02/11/21 15:24**

**Lab Sample ID: 180-117050-9**  
**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			1000.74 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:31	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.74 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:47	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: EB-2 (AP)**

**Lab Sample ID: 180-117050-10**

**Date Collected: 02/10/21 11:00**

**Matrix: Water**

**Date Received: 02/11/21 15:24**

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			1000.51 mL	1.0 g	499165	02/18/21 15:17	JEC	TAL SL
Total/NA	Analysis	9315		1			501646	03/12/21 14:31	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.51 mL	1.0 g	499169	02/18/21 16:56	JEC	TAL SL
Total/NA	Analysis	9320		1			500594	03/03/21 12:47	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			502078	03/16/21 15:11	SCB	TAL SL
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Analyst References:**

Lab: TAL SL

Batch Type: Prep

JEC = Julia Crossen

Batch Type: Analysis

ANW = Amber Woods

CMM = Chelsea Mazariegos

SCB = Sarah Bernsen

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-1**

**Lab Sample ID: 180-117048-1**

Date Collected: 02/09/21 10:05

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0305	U	0.0576	0.0577	1.00	0.103	pCi/L	02/18/21 11:41	03/12/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 11:41	03/12/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.195	U	0.257	0.257	1.00	0.427	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	79.3		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.225	U	0.263	0.263	5.00	0.427	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-2**

**Lab Sample ID: 180-117048-2**

Date Collected: 02/09/21 11:01

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0153	U	0.0619	0.0619	1.00	0.118	pCi/L	02/18/21 11:41	03/12/21 17:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					02/18/21 11:41	03/12/21 17:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00980	U	0.263	0.263	1.00	0.467	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	79.6		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.0251	U	0.270	0.270	5.00	0.467	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-117048-3**

Date Collected: 02/09/21 11:35

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0303	U	0.0536	0.0537	1.00	0.124	pCi/L	02/18/21 11:41	03/12/21 17:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					02/18/21 11:41	03/12/21 17:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.289	U	0.262	0.264	1.00	0.422	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	83.4		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.259	U	0.267	0.269	5.00	0.422	pCi/L		03/16/21 15:12	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-117048-4**

Date Collected: 02/09/21 12:55

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0554	U	0.0666	0.0668	1.00	0.154	pCi/L	02/18/21 11:41	03/12/21 17:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		40 - 110					02/18/21 11:41	03/12/21 17:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0677	U	0.200	0.200	1.00	0.350	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	81.5		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.0123	U	0.211	0.211	5.00	0.350	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-117048-5**

Date Collected: 02/09/21 10:10

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0387	U	0.0647	0.0648	1.00	0.113	pCi/L	02/18/21 11:41	03/12/21 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		40 - 110					02/18/21 11:41	03/12/21 17:05	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00237	U	0.191	0.191	1.00	0.350	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	81.9		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.0364	U	0.202	0.202	5.00	0.350	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-24**

**Lab Sample ID: 180-117048-6**

Date Collected: 02/09/21 10:30

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0226	U	0.0642	0.0642	1.00	0.118	pCi/L	02/18/21 11:41	03/12/21 17:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					02/18/21 11:41	03/12/21 17:06	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.128	U	0.213	0.213	1.00	0.361	pCi/L	02/18/21 12:29	03/04/21 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					02/18/21 12:29	03/04/21 12:03	1
Y Carrier	79.6		40 - 110					02/18/21 12:29	03/04/21 12:03	1

**Method: 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	0.151	U	0.222	0.222	5.00	0.361	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWA-25**

**Lab Sample ID: 180-117048-7**

Date Collected: 02/09/21 11:30

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0139	U	0.0646	0.0646	1.00	0.123	pCi/L	02/18/21 11:41	03/12/21 17:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 11:41	03/12/21 17:06	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.464		0.265	0.269	1.00	0.397	pCi/L	02/18/21 12:29	03/04/21 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 12:29	03/04/21 12:10	1
Y Carrier	80.0		40 - 110					02/18/21 12:29	03/04/21 12:10	1

**Method: 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	0.478		0.273	0.277	5.00	0.397	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-6**

**Lab Sample ID: 180-117048-8**

Date Collected: 02/09/21 12:32

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0143	U	0.0532	0.0532	1.00	0.118	pCi/L	02/18/21 11:41	03/12/21 17:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		40 - 110					02/18/21 11:41	03/12/21 17:06	1

**Method: 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	0.262	0.264	1.00	0.420	pCi/L	02/18/21 12:29	03/04/21 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		40 - 110					02/18/21 12:29	03/04/21 12:10	1
Y Carrier	83.7		40 - 110					02/18/21 12:29	03/04/21 12:10	1

**Method: 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	0.273	U	0.267	0.269	5.00	0.420	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-7**

**Lab Sample ID: 180-117048-9**

Date Collected: 02/09/21 14:15

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0194	U	0.0526	0.0526	1.00	0.118	pCi/L	02/18/21 11:41	03/12/21 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					02/18/21 11:41	03/12/21 17:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.740		0.310	0.318	1.00	0.440	pCi/L	02/18/21 12:29	03/04/21 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					02/18/21 12:29	03/04/21 12:10	1
Y Carrier	80.4		40 - 110					02/18/21 12:29	03/04/21 12:10	1

**Method: 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	0.721		0.314	0.322	5.00	0.440	pCi/L		03/16/21 15:12	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-117048-10**

Date Collected: 02/09/21 14:35

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.761</b>		0.155	0.169	1.00	0.102	pCi/L	02/18/21 11:41	03/12/21 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		40 - 110					02/18/21 11:41	03/12/21 17:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>2.16</b>		0.381	0.430	1.00	0.401	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	86.7		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>2.92</b>		0.411	0.462	5.00	0.401	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-117048-11**

Date Collected: 02/09/21 16:00

Matrix: Water

Date Received: 02/11/21 11:00

## Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0249	U	0.0553	0.0553	1.00	0.101	pCi/L	02/18/21 11:41	03/12/21 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.0		40 - 110					02/18/21 11:41	03/12/21 17:07	1

## Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00869	U	0.212	0.212	1.00	0.382	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.0		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	85.6		40 - 110					02/18/21 12:29	03/04/21 12:11	1

## Method: 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	0.0162	U	0.219	0.219	5.00	0.382	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-117048-12**

Date Collected: 02/09/21 17:00

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0192	U	0.0553	0.0554	1.00	0.104	pCi/L	02/18/21 11:41	03/12/21 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 11:41	03/12/21 17:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0765	U	0.199	0.199	1.00	0.376	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	84.1		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: 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	-0.0573	U	0.207	0.207	5.00	0.376	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-11**

**Lab Sample ID: 180-117048-13**

Date Collected: 02/09/21 12:53

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0848	U	0.0738	0.0742	1.00	0.111	pCi/L	02/18/21 11:41	03/12/21 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					02/18/21 11:41	03/12/21 17:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0296	U	0.244	0.244	1.00	0.433	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	81.9		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: 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	0.114	U	0.255	0.255	5.00	0.433	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-12**

**Lab Sample ID: 180-117048-14**

Date Collected: 02/09/21 14:05

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0408	U	0.0609	0.0610	1.00	0.104	pCi/L	02/18/21 11:41	03/12/21 17:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 11:41	03/12/21 17:08	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.106	U	0.218	0.218	1.00	0.374	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	85.2		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: 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	0.146	U	0.226	0.226	5.00	0.374	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-117048-15**

Date Collected: 02/09/21 15:50

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0234	U	0.0588	0.0588	1.00	0.108	pCi/L	02/18/21 11:41	03/12/21 17:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		40 - 110					02/18/21 11:41	03/12/21 17:08	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.284	U	0.220	0.221	1.00	0.345	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	87.9		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: 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	0.307	U	0.228	0.229	5.00	0.345	pCi/L		03/16/21 15:12	1



# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-117048-17**

Date Collected: 02/09/21 16:26

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0205	U	0.0569	0.0570	1.00	0.106	pCi/L	02/18/21 11:41	03/12/21 17:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					02/18/21 11:41	03/12/21 17:08	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.201	U	0.200	0.201	1.00	0.323	pCi/L	02/18/21 12:29	03/04/21 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					02/18/21 12:29	03/04/21 12:11	1
Y Carrier	90.1		40 - 110					02/18/21 12:29	03/04/21 12:11	1

**Method: 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	0.222	U	0.208	0.209	5.00	0.323	pCi/L		03/16/21 15:12	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-117048-18**

Date Collected: 02/09/21 17:07

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0478	U	0.0493	0.0494	1.00	0.125	pCi/L	02/18/21 15:17	03/12/21 14:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 15:17	03/12/21 14:24	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0381	U	0.230	0.230	1.00	0.407	pCi/L	02/18/21 16:56	03/03/21 12:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 16:56	03/03/21 12:40	1
Y Carrier	81.1		40 - 110					02/18/21 16:56	03/03/21 12:40	1

**Method: 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	-0.00967	U	0.235	0.235	5.00	0.407	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: DUP-1 (AP)**

**Lab Sample ID: 180-117048-19**

Date Collected: 02/09/21 00:00

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.566</b>		0.139	0.148	1.00	0.104	pCi/L	02/18/21 15:17	03/12/21 14:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					02/18/21 15:17	03/12/21 14:24	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.86</b>		0.365	0.403	1.00	0.385	pCi/L	02/18/21 16:56	03/03/21 12:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					02/18/21 16:56	03/03/21 12:40	1
Y Carrier	81.1		40 - 110					02/18/21 16:56	03/03/21 12:40	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>2.42</b>		0.391	0.429	5.00	0.385	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: FB-1 (AP)**

**Lab Sample ID: 180-117048-20**

Date Collected: 02/09/21 16:15

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0250	U	0.0591	0.0592	1.00	0.108	pCi/L	02/18/21 15:17	03/12/21 14:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					02/18/21 15:17	03/12/21 14:24	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00941	U	0.201	0.201	1.00	0.364	pCi/L	02/18/21 16:56	03/03/21 12:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					02/18/21 16:56	03/03/21 12:40	1
Y Carrier	81.5		40 - 110					02/18/21 16:56	03/03/21 12:40	1

**Method: 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	0.0344	U	0.210	0.210	5.00	0.364	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: EB-1 (AP)**

**Lab Sample ID: 180-117048-21**

Date Collected: 02/09/21 10:45

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 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	0.0518	0.0518	1.00	0.102	pCi/L	02/18/21 15:17	03/12/21 14:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 15:17	03/12/21 14:25	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0647	U	0.210	0.210	1.00	0.393	pCi/L	02/18/21 16:56	03/03/21 12:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 16:56	03/03/21 12:40	1
Y Carrier	82.2		40 - 110					02/18/21 16:56	03/03/21 12:40	1

**Method: 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	-0.0535	U	0.216	0.216	5.00	0.393	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-14**

**Lab Sample ID: 180-117048-22**

Date Collected: 02/09/21 16:38

Matrix: Water

Date Received: 02/11/21 11:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00537	U	0.0454	0.0454	1.00	0.0946	pCi/L	02/18/21 15:17	03/12/21 14:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					02/18/21 15:17	03/12/21 14:25	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.126	U	0.209	0.210	1.00	0.404	pCi/L	02/18/21 16:56	03/03/21 12:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					02/18/21 16:56	03/03/21 12:40	1
Y Carrier	83.0		40 - 110					02/18/21 16:56	03/03/21 12:40	1

**Method: 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	-0.121	U	0.214	0.215	5.00	0.404	pCi/L		03/16/21 15:11	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-117050-1**

Date Collected: 02/10/21 09:42

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0134	U	0.0423	0.0423	1.00	0.0976	pCi/L	02/18/21 15:17	03/12/21 14:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 15:17	03/12/21 14:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.563		0.271	0.276	1.00	0.391	pCi/L	02/18/21 16:56	03/03/21 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					02/18/21 16:56	03/03/21 12:44	1
Y Carrier	81.9		40 - 110					02/18/21 16:56	03/03/21 12:44	1

**Method: 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	0.550		0.274	0.279	5.00	0.391	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-18**

**Lab Sample ID: 180-117050-2**

Date Collected: 02/10/21 10:55

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0388	U	0.0720	0.0721	1.00	0.127	pCi/L	02/18/21 15:17	03/12/21 14:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		40 - 110					02/18/21 15:17	03/12/21 14:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.385	U	0.291	0.293	1.00	0.457	pCi/L	02/18/21 16:56	03/03/21 12:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		40 - 110					02/18/21 16:56	03/03/21 12:45	1
Y Carrier	81.9		40 - 110					02/18/21 16:56	03/03/21 12:45	1

**Method: 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	0.423	U	0.300	0.302	5.00	0.457	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-117050-3**

Date Collected: 02/10/21 11:24

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00863	U	0.0787	0.0787	1.00	0.150	pCi/L	02/18/21 15:17	03/12/21 14:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 15:17	03/12/21 14:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.226	U	0.265	0.266	1.00	0.436	pCi/L	02/18/21 16:56	03/03/21 12:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		40 - 110					02/18/21 16:56	03/03/21 12:46	1
Y Carrier	82.2		40 - 110					02/18/21 16:56	03/03/21 12:46	1

**Method: 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	0.235	U	0.276	0.277	5.00	0.436	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-117050-4**

Date Collected: 02/10/21 10:24

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0597	U	0.0737	0.0739	1.00	0.122	pCi/L	02/18/21 15:17	03/12/21 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		40 - 110					02/18/21 15:17	03/12/21 14:29	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.271	U	0.286	0.288	1.00	0.468	pCi/L	02/18/21 16:56	03/03/21 12:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		40 - 110					02/18/21 16:56	03/03/21 12:46	1
Y Carrier	81.5		40 - 110					02/18/21 16:56	03/03/21 12:46	1

**Method: 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	0.331	U	0.295	0.297	5.00	0.468	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-117050-5**

Date Collected: 02/10/21 09:28

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0204	U	0.0639	0.0640	1.00	0.119	pCi/L	02/18/21 15:17	03/12/21 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					02/18/21 15:17	03/12/21 14:29	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.480		0.278	0.282	1.00	0.420	pCi/L	02/18/21 16:56	03/03/21 12:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					02/18/21 16:56	03/03/21 12:46	1
Y Carrier	80.7		40 - 110					02/18/21 16:56	03/03/21 12:46	1

**Method: 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	0.500		0.285	0.289	5.00	0.420	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-117050-6**

Date Collected: 02/10/21 10:45

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00143	U	0.0518	0.0518	1.00	0.106	pCi/L	02/18/21 15:17	03/12/21 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 15:17	03/12/21 14:30	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.239	0.239	1.00	0.401	pCi/L	02/18/21 16:56	03/03/21 12:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		40 - 110					02/18/21 16:56	03/03/21 12:46	1
Y Carrier	80.7		40 - 110					02/18/21 16:56	03/03/21 12:46	1

**Method: 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	0.167	U	0.245	0.245	5.00	0.401	pCi/L		03/16/21 15:11	1



# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: SGWC-23**

**Lab Sample ID: 180-117050-7**

Date Collected: 02/10/21 09:50

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117		0.0800	0.0807	1.00	0.112	pCi/L	02/18/21 15:17	03/12/21 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		40 - 110					02/18/21 15:17	03/12/21 14:30	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.343	U	0.269	0.270	1.00	0.424	pCi/L	02/18/21 16:56	03/03/21 12:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		40 - 110					02/18/21 16:56	03/03/21 12:47	1
Y Carrier	82.6		40 - 110					02/18/21 16:56	03/03/21 12:47	1

**Method: 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	0.460		0.281	0.282	5.00	0.424	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: DUP-2 (AP)**

**Lab Sample ID: 180-117050-8**

Date Collected: 02/10/21 00:00

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0397	U	0.0597	0.0598	1.00	0.102	pCi/L	02/18/21 15:17	03/12/21 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					02/18/21 15:17	03/12/21 14:30	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.209	U	0.242	0.243	1.00	0.399	pCi/L	02/18/21 16:56	03/03/21 12:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					02/18/21 16:56	03/03/21 12:47	1
Y Carrier	82.2		40 - 110					02/18/21 16:56	03/03/21 12:47	1

**Method: 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	0.248	U	0.249	0.250	5.00	0.399	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: FB-2 (AP)**

**Lab Sample ID: 180-117050-9**

Date Collected: 02/10/21 09:30

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0423	U	0.0623	0.0625	1.00	0.107	pCi/L	02/18/21 15:17	03/12/21 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		40 - 110					02/18/21 15:17	03/12/21 14:31	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.252	U	0.245	0.246	1.00	0.396	pCi/L	02/18/21 16:56	03/03/21 12:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		40 - 110					02/18/21 16:56	03/03/21 12:47	1
Y Carrier	84.9		40 - 110					02/18/21 16:56	03/03/21 12:47	1

**Method: 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	0.294	U	0.253	0.254	5.00	0.396	pCi/L		03/16/21 15:11	1

# Client Sample Results

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

**Client Sample ID: EB-2 (AP)**

**Lab Sample ID: 180-117050-10**

Date Collected: 02/10/21 11:00

Matrix: Water

Date Received: 02/11/21 15:24

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0127	U	0.0500	0.0501	1.00	0.111	pCi/L	02/18/21 15:17	03/12/21 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		40 - 110					02/18/21 15:17	03/12/21 14:31	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.114	U	0.223	0.223	1.00	0.382	pCi/L	02/18/21 16:56	03/03/21 12:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		40 - 110					02/18/21 16:56	03/03/21 12:47	1
Y Carrier	83.4		40 - 110					02/18/21 16:56	03/03/21 12:47	1

**Method: 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	0.101	U	0.229	0.229	5.00	0.382	pCi/L		03/16/21 15:11	1

# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Method: 9315 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-499140/23-A**  
**Matrix: Water**  
**Analysis Batch: 501646**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 499140**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05118	U	0.0711	0.0713	1.00	0.120	pCi/L	02/18/21 11:41	03/12/21 17:08	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	80.5		40 - 110					02/18/21 11:41	03/12/21 17:08	1

**Lab Sample ID: LCS 160-499140/1-A**  
**Matrix: Water**  
**Analysis Batch: 501647**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 499140**

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec. Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	10.85		1.14	1.00	0.108	pCi/L	96	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	84.1		40 - 110					02/18/21 11:41	03/12/21 17:08

**Lab Sample ID: LCSD 160-499140/2-A**  
**Matrix: Water**  
**Analysis Batch: 501647**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 499140**

Analyte	Spike Added	LCSD	LCSD	Total	RL	MDC	Unit	%Rec	%Rec. Limits	RER	Limit
		Result	Qual	Uncert. (2σ+/-)							
Radium-226	11.3	9.684		1.03	1.00	0.129	pCi/L	85	75 - 125	0.54	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	89.2		40 - 110					02/18/21 15:17	03/15/21 13:52	1	

**Lab Sample ID: MB 160-499165/23-A**  
**Matrix: Water**  
**Analysis Batch: 501661**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 499165**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.04215	U	0.0393	0.0395	1.00	0.103	pCi/L	02/18/21 15:17	03/15/21 13:52	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	91.0		40 - 110					02/18/21 15:17	03/15/21 13:52	1

**Lab Sample ID: LCS 160-499165/1-A**  
**Matrix: Water**  
**Analysis Batch: 501647**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 499165**

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec. Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	10.87		1.13	1.00	0.0995	pCi/L	96	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: LCS 160-499165/1-A**  
**Matrix: Water**  
**Analysis Batch: 501647**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 499165**

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	89.8		40 - 110

**Lab Sample ID: 180-117050-1 DU**  
**Matrix: Water**  
**Analysis Batch: 501647**

**Client Sample ID: SGWC-17**  
**Prep Type: Total/NA**  
**Prep Batch: 499165**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-226	-0.0134	U	-0.00726	U	0.0530	1.00	0.112	pCi/L	0.06	1
0										

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.7		40 - 110

## Method: 9320 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-499144/23-A**  
**Matrix: Water**  
**Analysis Batch: 500812**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 499144**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Time	Time	Time	Time	
Radium-228	0.2349	U	0.285	0.285	1.00	0.470	pCi/L	02/18/21 12:29	03/04/21 12:11			1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		40 - 110	02/18/21 12:29	03/04/21 12:11	1
Y Carrier	82.2		40 - 110	02/18/21 12:29	03/04/21 12:11	1

**Lab Sample ID: LCS 160-499144/1-A**  
**Matrix: Water**  
**Analysis Batch: 500811**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 499144**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec.	
									Limits	
Radium-228	7.38	8.375		1.02	1.00	0.439	pCi/L	113	75 - 125	

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.1		40 - 110
Y Carrier	86.7		40 - 110

**Lab Sample ID: LCSD 160-499144/2-A**  
**Matrix: Water**  
**Analysis Batch: 500811**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 499144**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec.		RER
									Limits	RER	Limit
Radium-228	7.38	8.023		0.984	1.00	0.406	pCi/L	109	75 - 125	0.18	1

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# QC Sample Results

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: LCSD 160-499144/2-A**  
**Matrix: Water**  
**Analysis Batch: 500811**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 499144**

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	89.2		40 - 110
Y Carrier	82.2		40 - 110

**Lab Sample ID: MB 160-499169/23-A**  
**Matrix: Water**  
**Analysis Batch: 500594**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 499169**

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.1272	U	0.217	0.217	1.00	0.368	pCi/L	02/18/21 16:56	03/03/21 12:48	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	91.0		40 - 110	02/18/21 16:56	03/03/21 12:48	1
Y Carrier	84.5		40 - 110	02/18/21 16:56	03/03/21 12:48	1

**Lab Sample ID: LCS 160-499169/1-A**  
**Matrix: Water**  
**Analysis Batch: 500592**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 499169**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	89.8		40 - 110
Y Carrier	81.5		40 - 110

**Lab Sample ID: 180-117050-1 DU**  
**Matrix: Water**  
**Analysis Batch: 500594**

**Client Sample ID: SGWC-17**  
**Prep Type: Total/NA**  
**Prep Batch: 499169**

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								
Radium-228	0.563		0.3418	U	0.301	1.00	0.478	pCi/L	0.38	1

Carrier	DU		Limits
	%Yield	Qualifier	
Ba Carrier	90.7		40 - 110
Y Carrier	82.2		40 - 110

# QC Association Summary

Client: Southern Company  
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Rad

### Prep Batch: 499140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	PrecSep-21	
180-117048-2	SGWA-2	Total/NA	Water	PrecSep-21	
180-117048-3	SGWA-3	Total/NA	Water	PrecSep-21	
180-117048-4	SGWA-4	Total/NA	Water	PrecSep-21	
180-117048-5	SGWA-5	Total/NA	Water	PrecSep-21	
180-117048-6	SGWA-24	Total/NA	Water	PrecSep-21	
180-117048-7	SGWA-25	Total/NA	Water	PrecSep-21	
180-117048-8	SGWC-6	Total/NA	Water	PrecSep-21	
180-117048-9	SGWC-7	Total/NA	Water	PrecSep-21	
180-117048-10	SGWC-8	Total/NA	Water	PrecSep-21	
180-117048-11	SGWC-9	Total/NA	Water	PrecSep-21	
180-117048-12	SGWC-10	Total/NA	Water	PrecSep-21	
180-117048-13	SGWC-11	Total/NA	Water	PrecSep-21	
180-117048-14	SGWC-12	Total/NA	Water	PrecSep-21	
180-117048-15	SGWC-13	Total/NA	Water	PrecSep-21	
180-117048-17	SGWC-15	Total/NA	Water	PrecSep-21	
MB 160-499140/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-499140/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-499140/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 499144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-1	SGWA-1	Total/NA	Water	PrecSep_0	
180-117048-2	SGWA-2	Total/NA	Water	PrecSep_0	
180-117048-3	SGWA-3	Total/NA	Water	PrecSep_0	
180-117048-4	SGWA-4	Total/NA	Water	PrecSep_0	
180-117048-5	SGWA-5	Total/NA	Water	PrecSep_0	
180-117048-6	SGWA-24	Total/NA	Water	PrecSep_0	
180-117048-7	SGWA-25	Total/NA	Water	PrecSep_0	
180-117048-8	SGWC-6	Total/NA	Water	PrecSep_0	
180-117048-9	SGWC-7	Total/NA	Water	PrecSep_0	
180-117048-10	SGWC-8	Total/NA	Water	PrecSep_0	
180-117048-11	SGWC-9	Total/NA	Water	PrecSep_0	
180-117048-12	SGWC-10	Total/NA	Water	PrecSep_0	
180-117048-13	SGWC-11	Total/NA	Water	PrecSep_0	
180-117048-14	SGWC-12	Total/NA	Water	PrecSep_0	
180-117048-15	SGWC-13	Total/NA	Water	PrecSep_0	
180-117048-17	SGWC-15	Total/NA	Water	PrecSep_0	
MB 160-499144/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-499144/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-499144/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 499165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-18	SGWC-16	Total/NA	Water	PrecSep-21	
180-117048-19	DUP-1 (AP)	Total/NA	Water	PrecSep-21	
180-117048-20	FB-1 (AP)	Total/NA	Water	PrecSep-21	
180-117048-21	EB-1 (AP)	Total/NA	Water	PrecSep-21	
180-117048-22	SGWC-14	Total/NA	Water	PrecSep-21	
180-117050-1	SGWC-17	Total/NA	Water	PrecSep-21	
180-117050-2	SGWC-18	Total/NA	Water	PrecSep-21	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
 Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

## Rad (Continued)

### Prep Batch: 499165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117050-3	SGWC-19	Total/NA	Water	PrecSep-21	
180-117050-4	SGWC-20	Total/NA	Water	PrecSep-21	
180-117050-5	SGWC-21	Total/NA	Water	PrecSep-21	
180-117050-6	SGWC-22	Total/NA	Water	PrecSep-21	
180-117050-7	SGWC-23	Total/NA	Water	PrecSep-21	
180-117050-8	DUP-2 (AP)	Total/NA	Water	PrecSep-21	
180-117050-9	FB-2 (AP)	Total/NA	Water	PrecSep-21	
180-117050-10	EB-2 (AP)	Total/NA	Water	PrecSep-21	
MB 160-499165/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-499165/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-117050-1 DU	SGWC-17	Total/NA	Water	PrecSep-21	

### Prep Batch: 499169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-117048-18	SGWC-16	Total/NA	Water	PrecSep_0	
180-117048-19	DUP-1 (AP)	Total/NA	Water	PrecSep_0	
180-117048-20	FB-1 (AP)	Total/NA	Water	PrecSep_0	
180-117048-21	EB-1 (AP)	Total/NA	Water	PrecSep_0	
180-117048-22	SGWC-14	Total/NA	Water	PrecSep_0	
180-117050-1	SGWC-17	Total/NA	Water	PrecSep_0	
180-117050-2	SGWC-18	Total/NA	Water	PrecSep_0	
180-117050-3	SGWC-19	Total/NA	Water	PrecSep_0	
180-117050-4	SGWC-20	Total/NA	Water	PrecSep_0	
180-117050-5	SGWC-21	Total/NA	Water	PrecSep_0	
180-117050-6	SGWC-22	Total/NA	Water	PrecSep_0	
180-117050-7	SGWC-23	Total/NA	Water	PrecSep_0	
180-117050-8	DUP-2 (AP)	Total/NA	Water	PrecSep_0	
180-117050-9	FB-2 (AP)	Total/NA	Water	PrecSep_0	
180-117050-10	EB-2 (AP)	Total/NA	Water	PrecSep_0	
MB 160-499169/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-499169/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-117050-1 DU	SGWC-17	Total/NA	Water	PrecSep_0	

TestAmerica Pittsburgh

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

244- ATLANTA

TestAmerica  
 THE LEADER IN ENVIRONMENTAL TESTING  
 TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA, 30308  
 Phone (404) 506-7239  
 FAX  
 Project Name: GPC Plant Scherer  
 Site: AP-1  
 P O # 166235021

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Site Contact: Karim Minkara  
 Lab Contact: Veronica Bortot

Date: 2/9/2021  
 Carrier: \_\_\_\_\_

COC No: \_\_\_\_\_ of 2 COCs  
 Sampler: Folder

Barcode: 180-117048 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	App IV Metals				Perform MS/MSD (Y/N)				Sample Specific Notes:
						Radium 226 / 228	Fluoride	App IV Metals	Perform MS/MSD (Y/N)	Radium 226 / 228	Fluoride	App IV Metals	Perform MS/MSD (Y/N)	
SGWA-1	2/9/2021	10:05	G	GW	4	X	X	X	X	X	X	X	X	pH: 5.25
SGWA-2	2/9/2021	11:01	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.75
SGWA-3	2/9/2021	11:35	G	GW	4	X	X	X	X	X	X	X	X	pH: 5.80
SGWA-4	2/9/2021	12:55	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.38
SGWA-5	2/9/2021	10:10	G	GW	4	X	X	X	X	X	X	X	X	pH: 5.53
SGWA-24	2/9/2021	10:30	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.40
SGWA-25	2/9/2021	11:30	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.06
SGWC-6	2/9/2021	12:32	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.34
SGWC-7	2/9/2021	14:15	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.42
SGWC-8	2/9/2021	14:35	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.35
SGWC-9	2/9/2021	16:00	G	GW	4	X	X	X	X	X	X	X	X	pH: 6.21
SGWC-10	2/9/2021	17:00	G	GW	4	X	X	X	X	X	X	X	X	pH: 5.23

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:

\*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).

Custody Seals Intact:  Yes  No

Relinquished by: *[Signature]* Company: **Golder**

Received by: *[Signature]* Date/Time: 2-10-21/9:30  
 Company: **BRUCE COOK**

Relinquished by: *[Signature]* Date/Time: 2/10/21  
 Company: **EPA**

Received in Laboratory by: *[Signature]* Date/Time: 2/11/21  
 Company: **EPA**

Received by: *[Signature]* Date/Time: 02/10/21  
 Company: **EPA**

Received in Laboratory by: *[Signature]* Date/Time: 2/11/21  
 Company: **EPA**

Therm ID No.: \_\_\_\_\_ Cooler Temp. (°C): Obs'd: \_\_\_\_\_

Corrd: \_\_\_\_\_

Company: **BRUCE COOK** Date/Time: **2/10/21**

Company: **EPA** Date/Time: **02/10/21**

Company: **EPA** Date/Time: **2/11/21**

Company: **EPA** Date/Time: **02/10/21**

Form No. CA-C-WI-002, Rev. 4.18, dated 9/5/2018



Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell  
Tel/Fax: 248-536-5445  
Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Client Contact  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA, 30308  
(404) 506-7239  
Phone  
FAX  
Project Name: GPC Plant Scherer  
Site: AP-1  
P O # 166235021

Site Contact: Karim Minkara  
Lab Contact: Veronica Bortot  
Date: 2/19/2021  
Carrier:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	# of Cont.	Matrix	Filtered Sample (Y/N)				Sample Specific Notes:
						Performs MS/MSD (Y/N)	App IV Metals*	Radium 226 / 228	Fluoride	
SGWC-11	2/9/2021	12:53	G	6	GW	X	X	X	X	pH: 5.24, extra radium
SGWC-12	2/9/2021	14:05	G	4	GW	X	X	X	X	pH: 6.13
SGWC-13	2/9/2021	15:50	G	4	GW	X	X	X	X	pH: 5.98
SGWC-14	2/9/2021	16:38	G	4	GW	X	X	X	X	pH: 5.85
SGWC-15	2/9/2021	16:26	G	4	GW	X	X	X	X	pH: 4.63
SGWC-16	2/9/2021	17:07	G	4	GW	X	X	X	X	pH: 5.22
DUP-1 (AP)	2/9/2021	--	G	4	GW	X	X	X	X	
FB-1 (AP)	2/9/2021	16:15	G	4	GW	X	X	X	X	
EB-1 (AP)	2/9/2021	10:45	G	4	GW	X	X	X	X	
						4	4	4	1	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3; 5=NaOH; 6= Other  
Possible Hazard Identification:  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:  
\*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).

Company: Goldco  
Date/Time: 2-10-21/8:12  
Company: Carrier North  
Date/Time: 2/10/21  
Company: GPC  
Date/Time: 2/10/21  
Company: GPC  
Date/Time: 2/10/21



**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445

Client Contact  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA, 30308  
 (404) 506-7239 Phone  
 Project Name: GPC Plant Scherer  
 Site: AP-1  
 P O # 166235021

Site Contact: Karim Minkara  
 Lab Contact: Veronica Bortot  
 Date: 2/10/2021  
 Carrier: \_\_\_\_\_

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs  
 Sampler: Galder

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)			Perform MS / MSD (Y/N)			App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
						Y	N	Y	N	Y	N				
SGWC-17	2/10/2021	9:42	G	GW	6					X	X	X	X	X	pH: 6.23 ; extra radium
SGWC-18	2/10/2021	10:55	G	GW	4					X	X	X	X	X	pH: 4.80
SGWC-19	2/10/2021	11:24	G	GW	4					X	X	X	X	X	pH: 5.55
SGWC-20	2/10/2021	10:24	G	GW	4					X	X	X	X	X	pH: 4.22
SgWC-21	2/10/2021	9:28	G	GW	4					X	X	X	X	X	pH: 6.21
SGWC-22	2/10/2021	10:45	G	GW	4					X	X	X	X	X	pH: 5.58
SGWC-23	2/10/2021	9:50	G	GW	4					X	X	X	X	X	pH: 5.85
DUP-2 (AP)	2/10/2021	-	G	GW	4					X	X	X	X	X	
FB-2 (AP)	2/10/2021	9:30	G	GW	4					X	X	X	X	X	
EB-2 (AP)	2/10/2021	11:00	G	GW	4					X	X	X	X	X	
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____						4	4	1							

Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:  
 \*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Custody Seal No.: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_

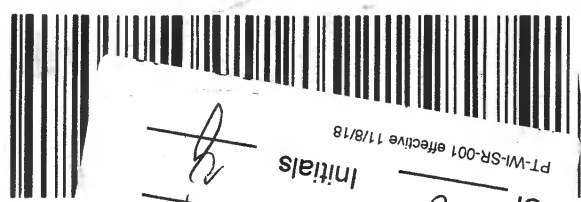
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 Company: \_\_\_\_\_  
 Company: \_\_\_\_\_

Date/Time: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Therm ID No.: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

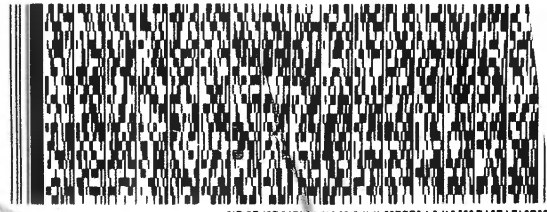


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3 of 7  
 # 1516 9328 0949  
 # 1516 9328 0971  
 0201  
**A** Uncorrected Temp  
 Thermometer ID  
 CF  
 Initials  
 PT-WI-SR-001 effective 11/8/18  
 15238  
 PA-US  
 PIT

THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT

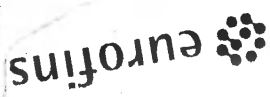


FedEx  
 Express  
 E  
 IN LOGO116101021

REF: GOLDR - PLT SCHERE  
 (412) 968-7068  
**PITTSBURGH PA 15238**  
 RIDC PARK  
 301 ALPHA DR.  
 EUROFINS TESTAMERICA PITTSBURGH

SHIP DATE: 10FEB21  
 ACTMGT: 66.85 LB  
 CAD: 859116/CAFE3406  
 BILL RECIPIENT  
 SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 (412) 968-7068  
 REF: GOLDR - PLT SCHERE

Environment Testing  
 TestAmerica



Do Not Use Using This Tag



180-117048 Waybill

Part # 159469-434 RIT2 EXP 11/21





Environment Testing  
TestAmerica

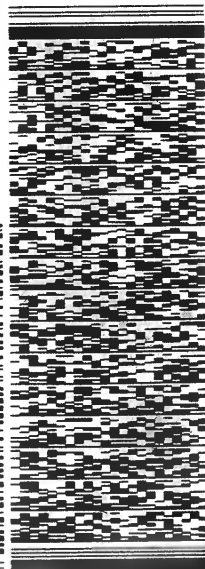
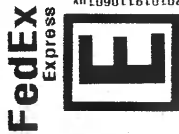
ORIGIN ID: LIYA (678) 966-9991  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NW  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 10FEB21  
 ACTWGT: 66.85 LB  
 CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 968-7068  
 REF: **GOLDER - PLT SCHERE**



THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT

MPS# 1516 9328 0971  
 Mettr# 1516 9328 0927

**NA AGCA**

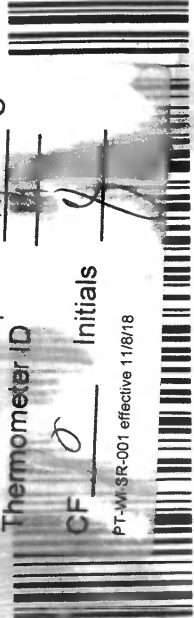
15238  
 PA-US  
 PIT

Uncorrected temp  
 Thermometer ID

17 °C

CF 0 Initials [Signature]

PT-WI-SR-001 effective 11/8/18



Environment Testing  
TestAmerica

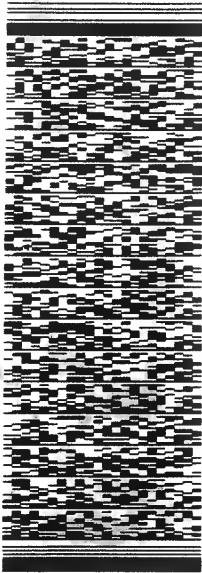
ORIGIN ID: LIYA (678) 966-9991  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NW  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 10FEB21  
 ACTWGT: 66.85 LB  
 CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 968-7068  
 REF: **GOLDER - PLT SCHERE**



THU - 11 FEB 4:30P  
 STANDARD OVERNIGHT

MPS# 1516 9328 0938  
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**NA AGCA**

15238  
 PA-US  
 PIT

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Uncorrected temp

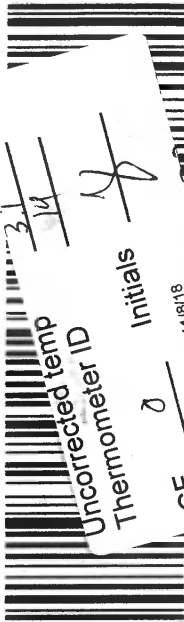
Thermometer ID

Initials

CF 0

Initials [Signature]

PT-WI-SR-001 effective 11/8/18



eurolins Environment Testing Test America

946-434 RIT2 EXP 11/21

eurolins Environment Testing TestAmerica

SHIP DATE: 10FEB21  
ACTWGT: 56.85 LB  
CAD: 859116/CAFE3406

ORIGIN ID: LIYA (678) 966-9991  
CDR: TAYLOR  
EUR: INS TESTING AMERICA ATL SC  
SP: REGENCY PARKWAY NH  
SITE: 900  
SHIP TO: CROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 55.00 LB  
CAD: 859116/CAFE3406

INS TESTING AMERICA ATL SC  
REGENCY PARKWAY NH  
900  
D STATES US

BILL RECIPIENT  
**SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

BILL RECIPIENT  
**SAMPLE RECIEVING**  
**JROFINS TESTAMERICA PITTSBURGH**  
**11 ALPHA DR.**  
**DC PARK**  
**PITTSBURGH PA 15238**

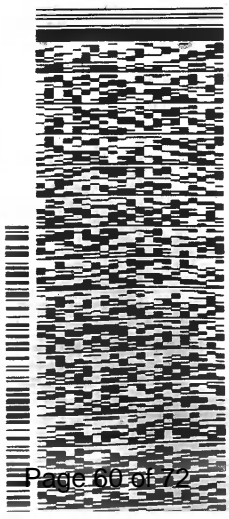
REP: GOLDER - PLI SCHERE

363-7068  
GOLDER

FedEx Express **E**



FedEx Express **E**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0960  
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

1516 9328 0993

15238 PIT

5 of 7  
Uncorrected temp  
Thermometer ID

NA AGCA

15238 PIT

A AGCA

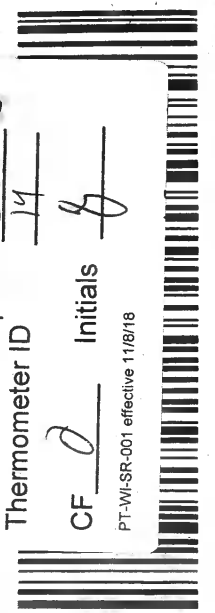
CF    Initials   

PT-WI-SR-001 effective 11/8/18

Uncorrected temp    °C  
Thermometer ID   

CF    Initials   

PT-WI-SR-001 effective 11/8/18



3/16/2021

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RT 97

FZ

1 16:30 A  
0950 02.11

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CRD: 859116/CAFE3406  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 863-7068  
REF: **GOLDER - PLI SCHERE**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

4 of 7  
MPS# 1516 9328 0950  
Mstr# 1516 9328 0927

**NA AGCA**

15238  
PA-US  
PIT

Uncorrected temp  
Thermometer ID

37 °C  
14

CF    Initials   

PT-WI-SR-001 effective 11/8/18



Environment Testing  
TestAmerica

ORIGIN ID: LIYA (8) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 11FEB21  
ACTWGT: 61.85 LB  
CRD: 859116/CAFE3406  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 863-7068  
REF: **GOLDER - PLI SCHERE**



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

7 of 7  
MPS# 1516 9328 0982  
Mstr# 1516 9328 0927

**NA AGCA**

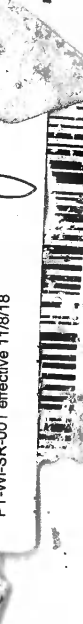
15238  
PA-US  
PIT

Uncorrected temp  
Thermometer ID

37 °C  
14

CF    Initials   

PT-WI-SR-001 effective 11/8/18







Environment Testing



180-117050 Waybill

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068

REF: **GOLDER - PLT SCHERE**



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**THU - 11 FEB 4:30P**  
**STANDARD OVERNIGHT**

MPS# 1516 9328 0971

Mstr# 1516 9328 0927

**NA AGCA**

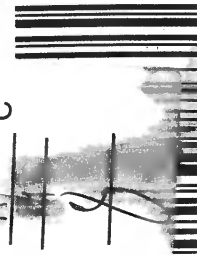
**15238**  
**PIT**

Uncorrected temp  
Thermometer ID

°C

Initials

PT-MR-SR-001 effective 11/8/18



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Environment Testing  
TestAmerica

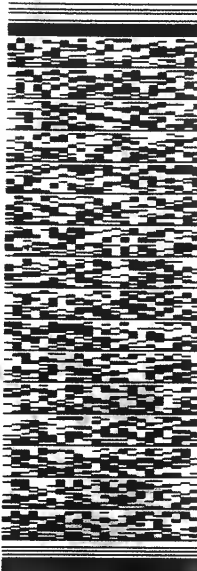
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GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068

REF: **GOLDER - PLT SCHERE**



FedEx Express



**THU - 11 FEB 4:30P**  
**STANDARD OVERNIGHT**

MPS# 1516 9328 0938

Mstr# 1516 9328 0927

**NA AGCA**

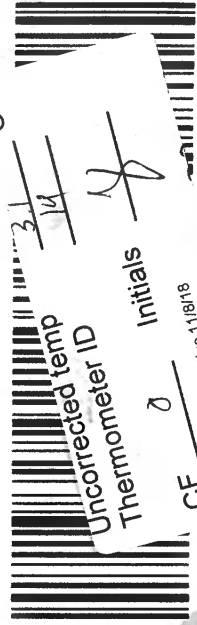
**15238**  
**PIT**

Uncorrected temp  
Thermometer ID

°C

Initials

PT-MR-SR-001 effective 11/8/18



eurolins

Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
E TAYLOR  
INS TESTING AMERICA ATL SC  
REGENCY PARKWAY NW  
900  
ROSS, GA 30071  
UNITED STATES US

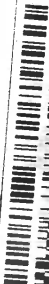
SHIP DATE: 10FEB21  
ACTWT: 55.00 LB MAN  
CAD: 859116/CAFE3406

BILL RECIPIENT

SAMPLE RECIEVING

JROFINS TESTAMERICA PITTSBURGH  
11 ALPHA DR.  
IDC PARK

PITTSBURGH PA 15238  
363-7058  
GOLDER



FedEx  
Express



1516 9328 0993 THU - 11 FEB 4:30P  
STANDARD OVERNIGHT HT

**A AGCA**

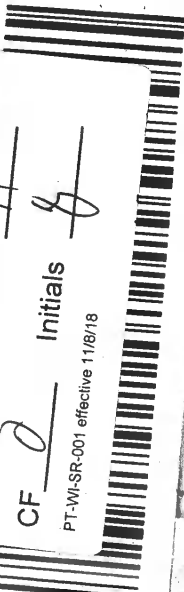
15238 38  
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Uncorrected temp  
Thermometer ID

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CF 0 Initials g

PT-WI-SR-001 effective 11/8/18



Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
E TAYLOR  
INS TESTING AMERICA ATL SC  
REGENCY PARKWAY NW  
900  
ROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

SAMPLE RECIEVING

EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK

PITTSBURGH PA 15238  
412-963-7058  
REF: GOLDER - PLT SCHERE



FedEx  
Express



5 of 7 1516 9328 0960 THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

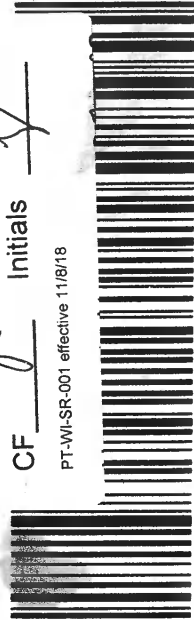
**NA AGCA**

15238  
PIT

Uncorrected temp  
Thermometer ID

CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18



EXP 11/21

5000/2598/0549

1201911060104

5 of 7

MPS# 1516 9328 0960  
Mstr# 1516 9328 0927

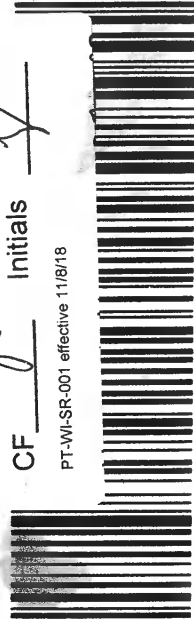
0201

15238  
PIT

Uncorrected temp  
Thermometer ID

CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18



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Cust DATE SIGNAT

ns Environment Testing America

ORIGIN ID: LIVA  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGHT: 66.85 LB  
CAD: 859116/CAFES406

BILL RECIPIENT

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(412) 963-7068  
REF: GOLDER - PLI SCHERE



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0982  
Mstr# 1516 9328 0927

NA AGCA

15238 PIT

Uncorrected temp 3.2 °C  
Thermometer ID 14

CF Initials

PT-WI-SR-001 effective 11/8/18

euoifns RT 97 1 16:30 A 0950 02.11

ORIGIN ID: LIVA (678) 966-9891  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 10FEB21  
ACTWGHT: 66.85 LB  
CAD: 859116/CAFES406

BILL RECIPIENT

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(412) 963-7068  
REF: GOLDER - PLI SCHERE



THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 0950  
Mstr# 1516 9328 0927

NA AGCA

15238 PIT

Uncorrected temp 3.2 °C  
Thermometer ID 14

CF Initials

PT-WI-SR-001 effective 11/8/18





Do Not Use This Tag

eurofins

Environment Testing  
TestAmerica

Part # 159469-434 RITZ EXP 11/21

RTGIN ID: LIYA (678).966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
215 REGENCY PARKWAY NW  
SUITE 900  
DORCROSS, GA 30071  
UNITED STATES US

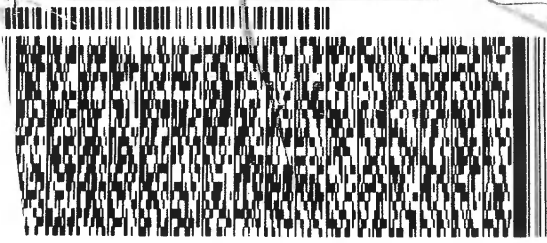
SHIP DATE: 10FEB21  
ACTWGT: 66.85 LB  
CAD: 859116/CAFE3406

BILL RECIPIENT

SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

0201

(412) 963-7058  
REF: GOLDER - PLT SCHERE



FedEx  
Express



AN 089011610102F

3 of 7  
1516 9328 0949  
# 1516 9328 0971 0201  
THU - 11 FEB 4:30P  
STANDARD OVERNIGHT

Uncorrected temp  
Thermometer ID  
15238  
PA-US  
PIT  
CF Initials  
PT-WI-SR-001 effective 11/8/18

2.5  
19  
27  
°C



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# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Brown, Shali	Carrier Tracking No(s): 180-426209-1																																																																																																																								
Shipping/Receiving		E-Mail: Shali.Brown@Eurofinset.com	Page: Page 1 of 3																																																																																																																								
Company: TestAmerica Laboratories, Inc.		State of Origin: Georgia																																																																																																																									
Address: 13715 Rider Trail North, Earth City, MO, 63045		Job #: 180-117048-2																																																																																																																									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (Specify)																																																																																																																									
Email:		Other: K - EDTA L - EDA																																																																																																																									
Project Name: GPC Plant Scherer AP-1		Total Number of Containers																																																																																																																									
Site: CCR Plant Scherer		Special Instructions/Note:																																																																																																																									
<p><b>Due Date Requested:</b> 3/17/2021</p> <p><b>TAT Requested (days):</b></p> <p><b>PO #:</b></p> <p><b>WO #:</b></p> <p><b>Project #:</b> 18019884</p> <p><b>SSOW#:</b></p>																																																																																																																											
<p><b>Analysis Requested</b></p> <p>9315_Ra226/PreSep_21 Standard Target List</p> <p>9320_Ra228/PreSep_0 Standard Target List</p> <p>Ra226Ra228_GFPc</p>																																																																																																																											
<p><b>Sample Identification - Client ID (Lab ID)</b></p> <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)</th> <th>Field Filled Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>9315_Ra226/PreSep_21 Standard Target List</th> <th>9320_Ra228/PreSep_0 Standard Target List</th> <th>Ra226Ra228_GFPc</th> <th>Total Number of Containers</th> <th>Special Instructions/Note</th> </tr> </thead> <tbody> <tr> <td>SGWA-1 (180-117048-1)</td> <td>2/9/21</td> <td>10:05 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-2 (180-117048-2)</td> <td>2/9/21</td> <td>11:01 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-3 (180-117048-3)</td> <td>2/9/21</td> <td>11:35 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-4 (180-117048-4)</td> <td>2/9/21</td> <td>12:55 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-5 (180-117048-5)</td> <td>2/9/21</td> <td>10:10 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-24 (180-117048-6)</td> <td>2/9/21</td> <td>10:30 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWA-25 (180-117048-7)</td> <td>2/9/21</td> <td>11:30 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWC-6 (180-117048-8)</td> <td>2/9/21</td> <td>12:32 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> <tr> <td>SGWC-7 (180-117048-9)</td> <td>2/9/21</td> <td>14:15 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> <td></td> </tr> </tbody> </table>				Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PreSep_21 Standard Target List	9320_Ra228/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note	SGWA-1 (180-117048-1)	2/9/21	10:05 Eastern	Water	Water	X	X	X	X	X	2		SGWA-2 (180-117048-2)	2/9/21	11:01 Eastern	Water	Water	X	X	X	X	X	2		SGWA-3 (180-117048-3)	2/9/21	11:35 Eastern	Water	Water	X	X	X	X	X	2		SGWA-4 (180-117048-4)	2/9/21	12:55 Eastern	Water	Water	X	X	X	X	X	2		SGWA-5 (180-117048-5)	2/9/21	10:10 Eastern	Water	Water	X	X	X	X	X	2		SGWA-24 (180-117048-6)	2/9/21	10:30 Eastern	Water	Water	X	X	X	X	X	2		SGWA-25 (180-117048-7)	2/9/21	11:30 Eastern	Water	Water	X	X	X	X	X	2		SGWC-6 (180-117048-8)	2/9/21	12:32 Eastern	Water	Water	X	X	X	X	X	2		SGWC-7 (180-117048-9)	2/9/21	14:15 Eastern	Water	Water	X	X	X	X	X	2	
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PreSep_21 Standard Target List	9320_Ra228/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note																																																																																																																
SGWA-1 (180-117048-1)	2/9/21	10:05 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-2 (180-117048-2)	2/9/21	11:01 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-3 (180-117048-3)	2/9/21	11:35 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-4 (180-117048-4)	2/9/21	12:55 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-5 (180-117048-5)	2/9/21	10:10 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-24 (180-117048-6)	2/9/21	10:30 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWA-25 (180-117048-7)	2/9/21	11:30 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWC-6 (180-117048-8)	2/9/21	12:32 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
SGWC-7 (180-117048-9)	2/9/21	14:15 Eastern	Water	Water	X	X	X	X	X	2																																																																																																																	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>																																																																																																																											
<p><b>Possible Hazard Identification</b></p> <p>Unconfirmed</p> <p>Deliverable Requested: I, II, III, IV, Other (specify) _____</p> <p>Primary Deliverable Rank: 2</p>																																																																																																																											
<p>Empty Kit Relinquished by: _____ Date: _____</p> <p>Relinquished by: <i>Janey...</i> Date: 2/12/21</p> <p>Relinquished by: <i>FedEx</i> Date: 2/13/21 10:54</p> <p>Relinquished by: _____ Date: _____</p>																																																																																																																											
<p>Custody Seals Intact: _____ Custody Seal No.: _____</p> <p>Δ Yes Δ No</p>																																																																																																																											



# Chain of Custody Record

<b>Client Information (Sub Contract Lab)</b>		Lab PM: Brown, Shali	Carrier Tracking No(s): 180-426209.2						
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@Eurofinset.com	Page: Page 2 of 3						
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):	Job #: 180-117048-2						
Address: 13715 Rider Trail North,		State of Origin: Georgia							
City: Earth City		Analysis Requested							
State, Zip: MO, 63045		Total Number of Containers							
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)							
Email:		Other:							
Project Name: GPC Plant Scherer AP-1		Special Instructions/Note:							
Site: CCR Plant Scherer									
<b>Sample Identification - Client ID (Lab ID)</b>									
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, Onwastefill, BT=tissue, AS=AP)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PreSep_21 Standard Target List	9320_Ra228/PreSep_0 Standard Target List	Ra226Ra228_GFPc
SGWC-8 (180-117048-10)	2/9/21	14:35 Eastern	Water	Water	X	X	X	X	X
SGWC-9 (180-117048-11)	2/9/21	16:00 Eastern	Water	Water	X	X	X	X	X
SGWC-10 (180-117048-12)	2/9/21	17:00 Eastern	Water	Water	X	X	X	X	X
SGWC-11 (180-117048-13)	2/9/21	12:53 Eastern	Water	Water	X	X	X	X	X
SGWC-12 (180-117048-14)	2/9/21	14:05 Eastern	Water	Water	X	X	X	X	X
SGWC-13 (180-117048-15)	2/9/21	15:50 Eastern	Water	Water	X	X	X	X	X
SGWC-15 (180-117048-17)	2/9/21	16:26 Eastern	Water	Water	X	X	X	X	X
SGWC-16 (180-117048-18)	2/9/21	17:07 Eastern	Water	Water	X	X	X	X	X
DUP-1 (AP) (180-117048-19)	2/9/21	Eastern	Water	Water	X	X	X	X	X
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; 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/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>									
<b>Possible Hazard Identification</b>									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months									
Special Instructions/QC Requirements:									
Method of Shipment:									
Date:									
Relinquished by: <i>Henry Jones</i> Date/Time: 2/12/21 17:00 Company: ETA									
Relinquished by: <i>FedEx</i> Date/Time: 2/13/21 10:54 Company: ETASTL									
Relinquished by: Date/Time: Company:									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:									
Cooler Temperature(s) °C and Other Remarks:									

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler: Lab PM: Brown, Shali		Carrier Tracking No(s): COC No: 180-426209.3	
Shipping/Receiving		Phone: Shali.Brown@Eurofins.com		Page: Page 3 of 3	
Company: TestAmerica Laboratories, Inc.		E-Mail: Shali.Brown@Eurofins.com		Job #: 180-117048-2	
Address: 13715 Rider Trail North,		State of Origin: Georgia		Preservation Codes:	
City: Earth City		Accreditations Required (See note):		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA W - pH 4.5 L - EDA Z - other (Specify) Other:	
PO #: 314-298-8566(Tel) 314-298-8757(Fax)		Due Date Requested: 3/17/2021		Analysis Requested:	
WO #: 18019884		TAT Requested (days):		Total Number of Containers	
Project #: GPC Plant Scherer AP-1		Field Filtered Sample (Yes or No)		9315_Ra226/PreSep_21 Standard Target List	
Site: CCR Plant Scherer		Matrix (W=water, S=solid, O=water, A=Air)		9320_Ra228/PreSep_0 Standard Target List	
Sample Identification - Client ID (Lab ID)		Sample Type (C=comp, G=grab)		Perform MS/MSD (Yes or No)	
FB-1 (AP) (180-117048-20)	Sample Date: 2/9/21	Sample Time: 16:15 Eastern	Matrix: Water	Field Filtered Sample (Yes or No): X	Perform MS/MSD (Yes or No): X
EB-1 (AP) (180-117048-21)	Sample Date: 2/9/21	Sample Time: 10:45 Eastern	Matrix: Water	Field Filtered Sample (Yes or No): X	Perform MS/MSD (Yes or No): X
SGWC-14 (180-117048-22)	Sample Date: 2/9/21	Sample Time: 16:38 Eastern	Matrix: Water	Field Filtered Sample (Yes or No): X	Perform MS/MSD (Yes or No): X
Special Instructions/Note:					
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica					
<b>Possible Hazard Identification</b>					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2					
Empty Kit Relinquished by:					
Relinquished by: <i>Jenny Jones</i>		Date: 2/12/21		Time: 17:00	
Relinquished by: <i>FedEx</i>		Date: 2/13/21		Time: 10:54	
Relinquished by:		Date:		Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-2

**Login Number: 117048**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-2

**Login Number: 117048**

**List Number: 2**

**Creator: Boyd, Jacob C**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 02/13/21 01:20 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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.	False	180-117048-A-3 (1L HNO3-pres) was rec'd @ETASTL w/lid broken off & no vol left.
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-2

**Login Number: 117050**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-2

**Login Number: 117050**

**List Number: 2**

**Creator: Boyd, Jacob C**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 02/13/21 01:46 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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?	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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**APPENDIX A**

**Laboratory Analytical Data  
March-April 2021**

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119436-1

Client Project/Site: Plant Scherer Ash Pond Major Ions

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/27/2021 2:05:34 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Job ID: 180-119436-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-119436-1**

### Comments

No additional comments.

### Receipt

The samples were received on 4/2/2021 10:00 AM, 4/3/2021 10:45 AM and 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 2.1° C, 2.2° C, 2.3° C, 2.9° C, 2.9° C, 3.1° C, 3.1° C, 3.1° C, 3.1° C, 3.2° C, 3.4° C, 3.5° C, 3.7° C, 3.8° C and 3.8° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished to TAPITT.

Client requested the following samples be cancelled SGWC-7 (180-119436-3) and SGWC-7(180-119436-4). Samples were recollected.

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SGWA-25 (180-119436-10). Sample was recollected.

The following sample were listed on the Chain of Custody (COC); however, no samples were received: SGWC-11 (180-119481-6), SGWC-12 (180-119481-7), SGWC-13 (180-119481-8) and FB-2 (AP-1) (180-119481-12). These samples were recollected.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWA-23 (180-119481-11). The container labels list a sample id of SGWC-23, while the COC lists SGWA-23. The client was contacted and the correct sample ID is SGWC-23.

### Metals

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119436-1	SGWA-1	Water	03/30/21 12:49	04/02/21 10:00	
180-119436-2	SGWA-2	Water	03/30/21 13:47	04/02/21 10:00	
180-119436-5	SGWC-18	Water	03/30/21 11:00	04/02/21 10:00	
180-119436-6	SGWC-19	Water	03/30/21 16:02	04/02/21 10:00	
180-119436-7	SGWC-20	Water	03/30/21 12:50	04/02/21 10:00	
180-119436-8	SGWC-21	Water	03/30/21 14:15	04/02/21 10:00	
180-119436-9	SGWA-24	Water	03/30/21 11:43	04/02/21 10:00	
180-119436-11	EB_1(AP-1)	Water	03/30/21 17:03	04/02/21 10:00	
180-119436-12	FB_1(AP-1)	Water	03/30/21 11:35	04/02/21 10:00	
180-119436-13	DUP_1(AP-1)	Water	03/30/21 00:00	04/02/21 10:00	
180-119478-1	SGWC-6	Water	04/01/21 12:26	04/03/21 10:45	
180-119478-2	SGWC-7	Water	04/01/21 11:10	04/03/21 10:45	
180-119478-3	SGWC-8	Water	04/01/21 09:37	04/03/21 10:45	
180-119478-4	SGWC-16	Water	04/01/21 14:55	04/03/21 10:45	
180-119478-5	SGWC-17	Water	04/01/21 13:40	04/03/21 10:45	
180-119478-6	DUP-2 (AP-1)	Water	04/01/21 00:00	04/03/21 10:45	
180-119478-7	EB-2 (AP-1)	Water	04/01/21 14:15	04/03/21 10:45	
180-119481-1	SGWA-3	Water	03/31/21 11:13	04/03/21 10:45	
180-119481-2	SGWA-4	Water	03/31/21 12:13	04/03/21 10:45	
180-119481-3	SGWA-5	Water	03/31/21 13:38	04/03/21 10:45	
180-119481-4	SGWC-9	Water	03/31/21 14:22	04/03/21 10:45	
180-119481-5	SGWC-10	Water	03/31/21 13:00	04/03/21 10:45	
180-119481-9	SGWC-15	Water	03/31/21 14:04	04/03/21 10:45	
180-119481-10	SGWC-22	Water	03/31/21 11:45	04/03/21 10:45	
180-119481-11	SGWC-23	Water	03/31/21 10:29	04/03/21 10:45	
180-119763-1	SGWC-14	Water	04/06/21 10:49	04/09/21 09:30	
180-119798-1	SGWC-11	Water	04/07/21 12:23	04/09/21 09:30	
180-119798-2	SGWC-12	Water	04/07/21 14:48	04/09/21 09:30	
180-119798-3	SGWC-13	Water	04/07/21 15:25	04/09/21 09:30	
180-119798-4	SGWA-25	Water	04/07/21 14:09	04/09/21 09:30	
180-119798-5	FB-2 (AP-1)	Water	04/07/21 13:45	04/09/21 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### Protocol References:

EPA = US Environmental Protection Agency

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: SGWA-1

## Lab Sample ID: 180-119436-1

Date Collected: 03/30/21 12:49

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 17:49	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 01:34	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 12:49	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWA-2

## Lab Sample ID: 180-119436-2

Date Collected: 03/30/21 13:47

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 17:52	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 01:43	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 13:47	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-18

## Lab Sample ID: 180-119436-5

Date Collected: 03/30/21 11:00

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 17:56	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 01:52	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 11:00	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-19

## Lab Sample ID: 180-119436-6

Date Collected: 03/30/21 16:02

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 17:59	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 02:01	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 16:02	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: SGWC-20

## Lab Sample ID: 180-119436-7

Date Collected: 03/30/21 12:50

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:09	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 02:09	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 12:50	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-21

## Lab Sample ID: 180-119436-8

Date Collected: 03/30/21 14:15

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:13	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 03:07	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 14:15	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWA-24

## Lab Sample ID: 180-119436-9

Date Collected: 03/30/21 11:43

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:16	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 03:25	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	03/30/21 11:43	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: EB\_1(AP-1)

## Lab Sample ID: 180-119436-11

Date Collected: 03/30/21 17:03

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:20	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 03:33	REI	TAL PIT
		Instrument ID: PCTITRATOR								



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: FB\_1(AP-1)

Date Collected: 03/30/21 11:35

Date Received: 04/02/21 10:00

## Lab Sample ID: 180-119436-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:23	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 03:41	REI	TAL PIT
		Instrument ID: PCTITRATOR								

## Client Sample ID: DUP\_1(AP-1)

Date Collected: 03/30/21 00:00

Date Received: 04/02/21 10:00

## Lab Sample ID: 180-119436-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353033	04/14/21 11:57	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353476	04/16/21 18:27	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/10/21 03:50	REI	TAL PIT
		Instrument ID: PCTITRATOR								

## Client Sample ID: SGWC-6

Date Collected: 04/01/21 12:26

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119478-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:18	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:31	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 12:26	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-7

Date Collected: 04/01/21 11:10

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119478-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:21	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:40	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 11:10	FDS	TAL PIT
		Instrument ID: NOEQUIP								

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-119478-3**

**Date Collected: 04/01/21 09:37**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:24	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 23:08	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 09:37	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-119478-4**

**Date Collected: 04/01/21 14:55**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:26	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 23:27	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:55	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-119478-5**

**Date Collected: 04/01/21 13:40**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:29	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 23:35	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 13:40	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: DUP-2 (AP-1)**

**Lab Sample ID: 180-119478-6**

**Date Collected: 04/01/21 00:00**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:37	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 23:45	REI	TAL PIT
		Instrument ID: PCTITRATOR								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: EB-2 (AP-1)

Lab Sample ID: 180-119478-7

Date Collected: 04/01/21 14:15

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:40	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 23:53	REI	TAL PIT
		Instrument ID: PCTITRATOR								

## Client Sample ID: SGWA-3

Lab Sample ID: 180-119481-1

Date Collected: 03/31/21 11:13

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 09:02	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 21:48	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 11:13	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWA-4

Lab Sample ID: 180-119481-2

Date Collected: 03/31/21 12:13

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 09:06	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 21:56	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 12:13	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWA-5

Lab Sample ID: 180-119481-3

Date Collected: 03/31/21 13:38

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 09:09	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 22:06	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 13:38	FDS	TAL PIT
		Instrument ID: NOEQUIP								

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: SGWC-9

## Lab Sample ID: 180-119481-4

Date Collected: 03/31/21 14:22

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 09:13	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 22:15	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 14:22	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-10

## Lab Sample ID: 180-119481-5

Date Collected: 03/31/21 13:00

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 09:16	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 22:23	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 13:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-15

## Lab Sample ID: 180-119481-9

Date Collected: 03/31/21 14:04

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 11:12	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 23:21	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 14:04	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-22

## Lab Sample ID: 180-119481-10

Date Collected: 03/31/21 11:45

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 11:16	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 23:39	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 11:45	FDS	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Client Sample ID: SGWC-23

Date Collected: 03/31/21 10:29

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119481-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 11:19	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			352848	04/09/21 23:47	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352098	03/31/21 10:29	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-14

Date Collected: 04/06/21 10:49

Date Received: 04/09/21 09:30

## Lab Sample ID: 180-119763-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:37	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:20	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 10:49	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-11

Date Collected: 04/07/21 12:23

Date Received: 04/09/21 09:30

## Lab Sample ID: 180-119798-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:41	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353773	04/18/21 00:13	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 12:23	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: SGWC-12

Date Collected: 04/07/21 14:48

Date Received: 04/09/21 09:30

## Lab Sample ID: 180-119798-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:52	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353773	04/18/21 00:22	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:48	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-119798-3**

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:55	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353773	04/18/21 00:31	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 15:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-25**

**Lab Sample ID: 180-119798-4**

Date Collected: 04/07/21 14:09

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:59	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353773	04/18/21 00:58	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:09	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-2 (AP-1)**

**Lab Sample ID: 180-119798-5**

Date Collected: 04/07/21 13:45

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:02	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353773	04/18/21 01:16	REI	TAL PIT
Instrument ID: PCTITRATOR										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

REI = Rachel Innocenzi

RSK = Robert Kurtz



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-1**

**Lab Sample ID: 180-119436-1**

Date Collected: 03/30/21 12:49

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.0		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 17:49	1
Potassium	0.73		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 17:49	1
Sodium	3.1		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 17:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	31		5.0	5.0	mg/L			04/10/21 01:34	1
Bicarbonate Alkalinity as CaCO3	31		5.0	5.0	mg/L			04/10/21 01:34	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 01:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.28				SU			03/30/21 12:49	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-2**

**Lab Sample ID: 180-119436-2**

Date Collected: 03/30/21 13:47

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.3		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 17:52	1
Potassium	0.90		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 17:52	1
Sodium	4.8		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 17:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	61		5.0	5.0	mg/L			04/10/21 01:43	1
Bicarbonate Alkalinity as CaCO3	61		5.0	5.0	mg/L			04/10/21 01:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 01:43	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.73				SU			03/30/21 13:47	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-18**

**Lab Sample ID: 180-119436-5**

Date Collected: 03/30/21 11:00

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	31		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 17:56	1
Potassium	3.6		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 17:56	1
Sodium	360		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 17:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/21 01:52	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 01:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 01:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.82				SU			03/30/21 11:00	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-119436-6**

Date Collected: 03/30/21 16:02

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	23		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 17:59	1
Potassium	1.9		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 17:59	1
Sodium	47		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 17:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	11		5.0	5.0	mg/L			04/10/21 02:01	1
Bicarbonate Alkalinity as CaCO3	11		5.0	5.0	mg/L			04/10/21 02:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 02:01	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.57				SU			03/30/21 16:02	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-119436-7**

Date Collected: 03/30/21 12:50

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	17		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:09	1
Potassium	3.3		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:09	1
Sodium	61		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/21 02:09	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 02:09	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 02:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.32				SU			03/30/21 12:50	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-119436-8**

Date Collected: 03/30/21 14:15

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	14		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:13	1
Potassium	1.6		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:13	1
Sodium	59		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	110		5.0	5.0	mg/L			04/10/21 03:07	1
Bicarbonate Alkalinity as CaCO3	110		5.0	5.0	mg/L			04/10/21 03:07	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:07	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.17				SU			03/30/21 14:15	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-24**  
 Date Collected: 03/30/21 11:43  
 Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119436-9**  
 Matrix: Water

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.8		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:16	1
Potassium	0.83		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:16	1
Sodium	6.3		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	76		5.0	5.0	mg/L			04/10/21 03:25	1
Bicarbonate Alkalinity as CaCO3	76		5.0	5.0	mg/L			04/10/21 03:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:25	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.27				SU			03/30/21 11:43	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: EB\_1(AP-1)**

**Lab Sample ID: 180-119436-11**

**Date Collected: 03/30/21 17:03**

**Matrix: Water**

**Date Received: 04/02/21 10:00**

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:20	1
Potassium	<0.16		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:20	1
Sodium	<0.35		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/21 03:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:33	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: FB\_1(AP-1)

Lab Sample ID: 180-119436-12

Date Collected: 03/30/21 11:35

Matrix: Water

Date Received: 04/02/21 10:00

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:23	1
Potassium	<0.16		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:23	1
Sodium	<0.35		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:23	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/21 03:41	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:41	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:41	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: DUP\_1(AP-1)**

**Lab Sample ID: 180-119436-13**

Date Collected: 03/30/21 00:00

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	14		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 18:27	1
Potassium	1.6		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 18:27	1
Sodium	59		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 18:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	120		5.0	5.0	mg/L			04/10/21 03:50	1
Bicarbonate Alkalinity as CaCO3	120		5.0	5.0	mg/L			04/10/21 03:50	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 03:50	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-6**

**Lab Sample ID: 180-119478-1**

Date Collected: 04/01/21 12:26

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.2		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:18	1
Potassium	0.92		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:18	1
Sodium	11		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	67		5.0	5.0	mg/L			04/14/21 22:31	1
Bicarbonate Alkalinity as CaCO3	67		5.0	5.0	mg/L			04/14/21 22:31	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.31				SU			04/01/21 12:26	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-7**

**Lab Sample ID: 180-119478-2**

Date Collected: 04/01/21 11:10

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	14		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:21	1
Potassium	3.7		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:21	1
Sodium	21		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	130		5.0	5.0	mg/L			04/14/21 22:40	1
Bicarbonate Alkalinity as CaCO3	130		5.0	5.0	mg/L			04/14/21 22:40	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:40	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 11:10	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-119478-3**

Date Collected: 04/01/21 09:37

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	27		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:24	1
Potassium	1.2		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:24	1
Sodium	37		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	210		5.0	5.0	mg/L			04/14/21 23:08	1
Bicarbonate Alkalinity as CaCO3	210		5.0	5.0	mg/L			04/14/21 23:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			04/01/21 09:37	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-119478-4**

Date Collected: 04/01/21 14:55

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.66		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:26	1
Potassium	0.51		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:26	1
Sodium	26		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	8.1		5.0	5.0	mg/L			04/14/21 23:27	1
Bicarbonate Alkalinity as CaCO3	8.1		5.0	5.0	mg/L			04/14/21 23:27	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:27	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.24				SU			04/01/21 14:55	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-119478-5**

Date Collected: 04/01/21 13:40

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	27		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:29	1
Potassium	0.43	J	0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:29	1
Sodium	23		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	75		5.0	5.0	mg/L			04/14/21 23:35	1
Bicarbonate Alkalinity as CaCO3	75		5.0	5.0	mg/L			04/14/21 23:35	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:35	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.25				SU			04/01/21 13:40	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: DUP-2 (AP-1)**

**Lab Sample ID: 180-119478-6**

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	14		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:37	1
Potassium	3.7		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:37	1
Sodium	21		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	130		5.0	5.0	mg/L			04/14/21 23:45	1
Bicarbonate Alkalinity as CaCO3	130		5.0	5.0	mg/L			04/14/21 23:45	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:45	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: EB-2 (AP-1)**

**Lab Sample ID: 180-119478-7**

**Date Collected: 04/01/21 14:15**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:40	1
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:40	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:40	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 23:53	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:53	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 23:53	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-119481-1**

Date Collected: 03/31/21 11:13

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.4		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 09:02	1
Potassium	1.0		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 09:02	1
Sodium	4.4		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 09:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	43		5.0	5.0	mg/L			04/09/21 21:48	1
Bicarbonate Alkalinity as CaCO3	43		5.0	5.0	mg/L			04/09/21 21:48	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 21:48	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.72				SU			03/31/21 11:13	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-119481-2**

Date Collected: 03/31/21 12:13

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.1		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 09:06	1
Potassium	1.6		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 09:06	1
Sodium	8.7		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 09:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	87		5.0	5.0	mg/L			04/09/21 21:56	1
Bicarbonate Alkalinity as CaCO3	87		5.0	5.0	mg/L			04/09/21 21:56	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 21:56	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.33				SU			03/31/21 12:13	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-119481-3**

Date Collected: 03/31/21 13:38

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.50		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 09:09	1
Potassium	0.49	J	0.50	0.16	mg/L		04/16/21 13:15	04/20/21 09:09	1
Sodium	9.5		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 09:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	30		5.0	5.0	mg/L			04/09/21 22:06	1
Bicarbonate Alkalinity as CaCO3	30		5.0	5.0	mg/L			04/09/21 22:06	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 22:06	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.50				SU			03/31/21 13:38	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-119481-4**

Date Collected: 03/31/21 14:22

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	26		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 09:13	1
Potassium	0.56		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 09:13	1
Sodium	48		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 09:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	80		5.0	5.0	mg/L			04/09/21 22:15	1
Bicarbonate Alkalinity as CaCO3	80		5.0	5.0	mg/L			04/09/21 22:15	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 22:15	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.20				SU			03/31/21 14:22	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-119481-5**

Date Collected: 03/31/21 13:00

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.1		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 09:16	1
Potassium	0.30	J	0.50	0.16	mg/L		04/16/21 13:15	04/20/21 09:16	1
Sodium	5.0		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 09:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	21		5.0	5.0	mg/L			04/09/21 22:23	1
Bicarbonate Alkalinity as CaCO3	21		5.0	5.0	mg/L			04/09/21 22:23	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 22:23	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.30				SU			03/31/21 13:00	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-119481-9**

Date Collected: 03/31/21 14:04

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	16		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 11:12	1
Potassium	4.7		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 11:12	1
Sodium	44		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 11:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/21 23:21	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:21	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:21	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.77				SU			03/31/21 14:04	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-119481-10**

Date Collected: 03/31/21 11:45

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	14		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 11:16	1
Potassium	2.6		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 11:16	1
Sodium	18		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 11:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	48		5.0	5.0	mg/L			04/09/21 23:39	1
Bicarbonate Alkalinity as CaCO3	48		5.0	5.0	mg/L			04/09/21 23:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:39	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.73				SU			03/31/21 11:45	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-23**

**Lab Sample ID: 180-119481-11**

Date Collected: 03/31/21 10:29

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	10		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 11:19	1
Potassium	1.4		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 11:19	1
Sodium	21		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 11:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	55		5.0	5.0	mg/L			04/09/21 23:47	1
Bicarbonate Alkalinity as CaCO3	55		5.0	5.0	mg/L			04/09/21 23:47	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:47	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.93				SU			03/31/21 10:29	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-14**

**Lab Sample ID: 180-119763-1**

Date Collected: 04/06/21 10:49

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.8		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:37	1
Magnesium	21		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:37	1
Sodium	25		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	37		5.0	5.0	mg/L			04/15/21 17:20	1
Bicarbonate Alkalinity as CaCO3	37		5.0	5.0	mg/L			04/15/21 17:20	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:20	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.84				SU			04/06/21 10:49	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-11**

**Lab Sample ID: 180-119798-1**

Date Collected: 04/07/21 12:23

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.28	J	0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:41	1
Magnesium	1.7		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:41	1
Sodium	6.1		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	12		5.0	5.0	mg/L			04/18/21 00:13	1
Bicarbonate Alkalinity as CaCO3	12		5.0	5.0	mg/L			04/18/21 00:13	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 00:13	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.18				SU			04/07/21 12:23	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-12**

**Lab Sample ID: 180-119798-2**

Date Collected: 04/07/21 14:48

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.67		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:52	1
Magnesium	13		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:52	1
Sodium	17		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	76		5.0	5.0	mg/L			04/18/21 00:22	1
Bicarbonate Alkalinity as CaCO3	76		5.0	5.0	mg/L			04/18/21 00:22	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 00:22	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/07/21 14:48	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-119798-3**

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.1		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:55	1
Magnesium	7.9		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:55	1
Sodium	27		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	26		5.0	5.0	mg/L			04/18/21 00:31	1
Bicarbonate Alkalinity as CaCO3	26		5.0	5.0	mg/L			04/18/21 00:31	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 00:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.07				SU			04/07/21 15:25	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: SGWA-25**

**Lab Sample ID: 180-119798-4**

Date Collected: 04/07/21 14:09

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.53		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:59	1
Magnesium	6.5		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:59	1
Sodium	4.3		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	59		5.0	5.0	mg/L			04/18/21 00:58	1
Bicarbonate Alkalinity as CaCO3	59		5.0	5.0	mg/L			04/18/21 00:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 00:58	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.12				SU			04/07/21 14:09	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

**Client Sample ID: FB-2 (AP-1)**

**Lab Sample ID: 180-119798-5**

**Date Collected: 04/07/21 13:45**

**Matrix: Water**

**Date Received: 04/09/21 09:30**

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 19:02	1
Magnesium	<0.083		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 19:02	1
Sodium	<0.35		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 19:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/18/21 01:16	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 01:16	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/18/21 01:16	1



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-353033/1-A**  
**Matrix: Water**  
**Analysis Batch: 353476**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353033**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/14/21 11:57	04/16/21 17:01	1
Magnesium	<0.083		0.50	0.083	mg/L		04/14/21 11:57	04/16/21 17:01	1
Sodium	<0.35		0.50	0.35	mg/L		04/14/21 11:57	04/16/21 17:01	1

**Lab Sample ID: LCS 180-353033/2-A**  
**Matrix: Water**  
**Analysis Batch: 353476**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	24.9		mg/L		100	80 - 120
Sodium	25.0	26.3		mg/L		105	80 - 120

**Lab Sample ID: MB 180-353250/1-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 12:09	1
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 12:09	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 12:09	1

**Lab Sample ID: LCS 180-353250/2-A**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	25.4		mg/L		102	80 - 120
Sodium	25.0	25.6		mg/L		103	80 - 120

**Lab Sample ID: 180-119476-B-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier							
Potassium	2.4		25.0	28.1		mg/L		103	75 - 125
Magnesium	13		25.0	37.5		mg/L		99	75 - 125
Sodium	47		25.0	71.8		mg/L		98	75 - 125

**Lab Sample ID: 180-119476-B-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353496**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353250**

Analyte	Sample	Sample	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier								RPD	Limit
Potassium	2.4		25.0	28.7		mg/L		105	75 - 125	2	20
Magnesium	13		25.0	38.0		mg/L		101	75 - 125	1	20
Sodium	47		25.0	73.0		mg/L		103	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

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

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 08:49	1
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 08:49	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 08:49	1

**Lab Sample ID: LCS 180-353428/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	24.7		mg/L		99	80 - 120
Sodium	25.0	25.6		mg/L		102	80 - 120

**Lab Sample ID: 180-119604-D-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	7.4		25.0	32.3		mg/L		100	75 - 125
Sodium	9.2		25.0	34.6		mg/L		102	75 - 125

**Lab Sample ID: 180-119604-D-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Potassium	1.7		25.0	25.6		mg/L		96	75 - 125	3	20
Magnesium	7.4		25.0	31.5		mg/L		96	75 - 125	2	20
Sodium	9.2		25.0	33.9		mg/L		99	75 - 125	2	20

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 17:43	1
Magnesium	<0.083		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 17:43	1
Sodium	<0.35		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 17:43	1

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	26.3		mg/L		105	80 - 120
Sodium	25.0	26.4		mg/L		106	80 - 120



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

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

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	0.88		25.0	27.3		mg/L		106	75 - 125	
Magnesium	4.0		25.0	30.2		mg/L		105	75 - 125	
Sodium	5.5		25.0	32.0		mg/L		106	75 - 125	

**Lab Sample ID: 180-119761-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Potassium	0.88		25.0	27.6		mg/L		107	75 - 125	1	20	
Magnesium	4.0		25.0	30.4		mg/L		105	75 - 125	1	20	
Sodium	5.5		25.0	32.1		mg/L		107	75 - 125	0	20	

**Lab Sample ID: 180-119345-E-7-B MS**  
**Matrix: Water**  
**Analysis Batch: 353476**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353033**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	41		25.0	64.6		mg/L		94	75 - 125	
Magnesium	22		25.0	46.5		mg/L		97	75 - 125	
Sodium	43		25.0	67.2		mg/L		95	75 - 125	

**Lab Sample ID: 180-119345-E-7-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353476**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353033**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Potassium	41		25.0	66.5		mg/L		102	75 - 125	3	20	
Magnesium	22		25.0	46.8		mg/L		98	75 - 125	1	20	
Sodium	43		25.0	68.1		mg/L		99	75 - 125	1	20	

## Method: SM2320 B - Alkalinity, Total

**Lab Sample ID: MB 180-352848/108**  
**Matrix: Water**  
**Analysis Batch: 352848**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/21 19:30	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 19:30	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 19:30	1

**Lab Sample ID: MB 180-352848/132**  
**Matrix: Water**  
**Analysis Batch: 352848**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/21 23:12	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/21 23:12	1

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Method: SM2320 B - Alkalinity, Total

**Lab Sample ID: MB 180-352848/156**  
**Matrix: Water**  
**Analysis Batch: 352848**

**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	<5.0		5.0	5.0	mg/L			04/10/21 02:58	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 02:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/21 02:58	1

**Lab Sample ID: LCS 180-352848/107**  
**Matrix: Water**  
**Analysis Batch: 352848**

**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	236		mg/L		94	90 - 110

**Lab Sample ID: LCS 180-352848/131**  
**Matrix: Water**  
**Analysis Batch: 352848**

**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	233		mg/L		93	90 - 110

**Lab Sample ID: LCS 180-352848/155**  
**Matrix: Water**  
**Analysis Batch: 352848**

**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	235		mg/L		94	90 - 110

**Lab Sample ID: LLCS 180-352848/154**  
**Matrix: Water**  
**Analysis Batch: 352848**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	21.9		mg/L		110	90 - 110

**Lab Sample ID: 180-119436-8 DU**  
**Matrix: Water**  
**Analysis Batch: 352848**

**Client Sample ID: SGWC-21**  
**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	110		110		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	110		110		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: 180-119448-B-5 DU**  
**Matrix: Water**  
**Analysis Batch: 352848**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	220		224		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	220		224		mg/L		2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: 180-119481-9 DU**  
**Matrix: Water**  
**Analysis Batch: 352848**

**Client Sample ID: SGWC-15**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	<5.0		<5.0		mg/L		NC	20
Bicarbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: MB 180-353175/36**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1

**Lab Sample ID: LCS 180-353175/35**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

**Lab Sample ID: LLCS 180-353175/34**  
**Matrix: Water**  
**Analysis Batch: 353175**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits

**Lab Sample ID: 180-119474-A-14 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	78		60.2	F3	mg/L		26	20
Bicarbonate Alkalinity as CaCO3	78		60.2	F3	mg/L		26	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: 180-119478-3 DU**  
**Matrix: Water**  
**Analysis Batch: 353175**

**Client Sample ID: SGWC-8**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	210		213		mg/L		0.7	20
Bicarbonate Alkalinity as CaCO3	210		213		mg/L		0.7	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: MB 180-353358/73**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1

**Lab Sample ID: LCS 180-353358/72**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

**Lab Sample ID: LLCS 180-353358/71**  
**Matrix: Water**  
**Analysis Batch: 353358**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits

**Lab Sample ID: 180-119508-B-10 DU**  
**Matrix: Water**  
**Analysis Batch: 353358**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	95		90.7		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	95		90.7		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

**Lab Sample ID: MB 180-353773/78**  
**Matrix: Water**  
**Analysis Batch: 353773**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/17/21 23:25	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/17/21 23:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/17/21 23:25	1

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Method: SM2320 B - Alkalinity, Total (Continued)

**Lab Sample ID: LCS 180-353773/77**  
**Matrix: Water**  
**Analysis Batch: 353773**

**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	235		mg/L		94	90 - 110

**Lab Sample ID: LLCS 180-353773/76**  
**Matrix: Water**  
**Analysis Batch: 353773**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.8		mg/L		104	90 - 110

**Lab Sample ID: 180-119798-4 DU**  
**Matrix: Water**  
**Analysis Batch: 353773**

**Client Sample ID: SGWA-25**  
**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	59		58.1		mg/L		1	20
Bicarbonate Alkalinity as CaCO3	59		58.1		mg/L		1	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Metals

### Prep Batch: 353033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119436-1	SGWA-1	Total Recoverable	Water	3005A	
180-119436-2	SGWA-2	Total Recoverable	Water	3005A	
180-119436-5	SGWC-18	Total Recoverable	Water	3005A	
180-119436-6	SGWC-19	Total Recoverable	Water	3005A	
180-119436-7	SGWC-20	Total Recoverable	Water	3005A	
180-119436-8	SGWC-21	Total Recoverable	Water	3005A	
180-119436-9	SGWA-24	Total Recoverable	Water	3005A	
180-119436-11	EB_1(AP-1)	Total Recoverable	Water	3005A	
180-119436-12	FB_1(AP-1)	Total Recoverable	Water	3005A	
180-119436-13	DUP_1(AP-1)	Total Recoverable	Water	3005A	
MB 180-353033/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353033/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119345-E-7-B MS	Matrix Spike	Dissolved	Water	3005A	
180-119345-E-7-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Prep Batch: 353250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119478-1	SGWC-6	Total Recoverable	Water	3005A	
180-119478-2	SGWC-7	Total Recoverable	Water	3005A	
180-119478-3	SGWC-8	Total Recoverable	Water	3005A	
180-119478-4	SGWC-16	Total Recoverable	Water	3005A	
180-119478-5	SGWC-17	Total Recoverable	Water	3005A	
180-119478-6	DUP-2 (AP-1)	Total Recoverable	Water	3005A	
180-119478-7	EB-2 (AP-1)	Total Recoverable	Water	3005A	
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119481-1	SGWA-3	Total Recoverable	Water	3005A	
180-119481-2	SGWA-4	Total Recoverable	Water	3005A	
180-119481-3	SGWA-5	Total Recoverable	Water	3005A	
180-119481-4	SGWC-9	Total Recoverable	Water	3005A	
180-119481-5	SGWC-10	Total Recoverable	Water	3005A	
180-119481-9	SGWC-15	Total Recoverable	Water	3005A	
180-119481-10	SGWC-22	Total Recoverable	Water	3005A	
180-119481-11	SGWC-23	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-D-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119604-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 353476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119436-1	SGWA-1	Total Recoverable	Water	EPA 6020B	353033
180-119436-2	SGWA-2	Total Recoverable	Water	EPA 6020B	353033
180-119436-5	SGWC-18	Total Recoverable	Water	EPA 6020B	353033
180-119436-6	SGWC-19	Total Recoverable	Water	EPA 6020B	353033
180-119436-7	SGWC-20	Total Recoverable	Water	EPA 6020B	353033

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Metals (Continued)

### Analysis Batch: 353476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119436-8	SGWC-21	Total Recoverable	Water	EPA 6020B	353033
180-119436-9	SGWA-24	Total Recoverable	Water	EPA 6020B	353033
180-119436-11	EB_1(AP-1)	Total Recoverable	Water	EPA 6020B	353033
180-119436-12	FB_1(AP-1)	Total Recoverable	Water	EPA 6020B	353033
180-119436-13	DUP_1(AP-1)	Total Recoverable	Water	EPA 6020B	353033
MB 180-353033/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353033
LCS 180-353033/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353033
180-119345-E-7-B MS	Matrix Spike	Dissolved	Water	EPA 6020B	353033
180-119345-E-7-C MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353033

### Analysis Batch: 353496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119478-1	SGWC-6	Total Recoverable	Water	EPA 6020B	353250
180-119478-2	SGWC-7	Total Recoverable	Water	EPA 6020B	353250
180-119478-3	SGWC-8	Total Recoverable	Water	EPA 6020B	353250
180-119478-4	SGWC-16	Total Recoverable	Water	EPA 6020B	353250
180-119478-5	SGWC-17	Total Recoverable	Water	EPA 6020B	353250
180-119478-6	DUP-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353250
180-119478-7	EB-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353250
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353250
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353250

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119763-1	SGWC-14	Total Recoverable	Water	3005A	
180-119798-1	SGWC-11	Total Recoverable	Water	3005A	
180-119798-2	SGWC-12	Total Recoverable	Water	3005A	
180-119798-3	SGWC-13	Total Recoverable	Water	3005A	
180-119798-4	SGWA-25	Total Recoverable	Water	3005A	
180-119798-5	FB-2 (AP-1)	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119481-1	SGWA-3	Total Recoverable	Water	EPA 6020B	353428
180-119481-2	SGWA-4	Total Recoverable	Water	EPA 6020B	353428
180-119481-3	SGWA-5	Total Recoverable	Water	EPA 6020B	353428
180-119481-4	SGWC-9	Total Recoverable	Water	EPA 6020B	353428
180-119481-5	SGWC-10	Total Recoverable	Water	EPA 6020B	353428
180-119481-9	SGWC-15	Total Recoverable	Water	EPA 6020B	353428
180-119481-10	SGWC-22	Total Recoverable	Water	EPA 6020B	353428
180-119481-11	SGWC-23	Total Recoverable	Water	EPA 6020B	353428
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
180-119604-D-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353428
180-119604-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353428

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Metals

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119763-1	SGWC-14	Total Recoverable	Water	EPA 6020B	353880
180-119798-1	SGWC-11	Total Recoverable	Water	EPA 6020B	353880
180-119798-2	SGWC-12	Total Recoverable	Water	EPA 6020B	353880
180-119798-3	SGWC-13	Total Recoverable	Water	EPA 6020B	353880
180-119798-4	SGWA-25	Total Recoverable	Water	EPA 6020B	353880
180-119798-5	FB-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

## General Chemistry

### Analysis Batch: 352848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119436-1	SGWA-1	Total/NA	Water	SM2320 B	
180-119436-2	SGWA-2	Total/NA	Water	SM2320 B	
180-119436-5	SGWC-18	Total/NA	Water	SM2320 B	
180-119436-6	SGWC-19	Total/NA	Water	SM2320 B	
180-119436-7	SGWC-20	Total/NA	Water	SM2320 B	
180-119436-8	SGWC-21	Total/NA	Water	SM2320 B	
180-119436-9	SGWA-24	Total/NA	Water	SM2320 B	
180-119436-11	EB_1(AP-1)	Total/NA	Water	SM2320 B	
180-119436-12	FB_1(AP-1)	Total/NA	Water	SM2320 B	
180-119436-13	DUP_1(AP-1)	Total/NA	Water	SM2320 B	
180-119481-1	SGWA-3	Total/NA	Water	SM2320 B	
180-119481-2	SGWA-4	Total/NA	Water	SM2320 B	
180-119481-3	SGWA-5	Total/NA	Water	SM2320 B	
180-119481-4	SGWC-9	Total/NA	Water	SM2320 B	
180-119481-5	SGWC-10	Total/NA	Water	SM2320 B	
180-119481-9	SGWC-15	Total/NA	Water	SM2320 B	
180-119481-10	SGWC-22	Total/NA	Water	SM2320 B	
180-119481-11	SGWC-23	Total/NA	Water	SM2320 B	
MB 180-352848/108	Method Blank	Total/NA	Water	SM2320 B	
MB 180-352848/132	Method Blank	Total/NA	Water	SM2320 B	
MB 180-352848/156	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-352848/107	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-352848/131	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-352848/155	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-352848/154	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119436-8 DU	SGWC-21	Total/NA	Water	SM2320 B	
180-119448-B-5 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119481-9 DU	SGWC-15	Total/NA	Water	SM2320 B	

### Analysis Batch: 353175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119478-1	SGWC-6	Total/NA	Water	SM2320 B	
180-119478-2	SGWC-7	Total/NA	Water	SM2320 B	
180-119478-3	SGWC-8	Total/NA	Water	SM2320 B	
180-119478-4	SGWC-16	Total/NA	Water	SM2320 B	
180-119478-5	SGWC-17	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## General Chemistry (Continued)

### Analysis Batch: 353175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119478-6	DUP-2 (AP-1)	Total/NA	Water	SM2320 B	
180-119478-7	EB-2 (AP-1)	Total/NA	Water	SM2320 B	
MB 180-353175/36	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353175/35	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/34	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119474-A-14 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119478-3 DU	SGWC-8	Total/NA	Water	SM2320 B	

### Analysis Batch: 353358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119763-1	SGWC-14	Total/NA	Water	SM2320 B	
MB 180-353358/73	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353358/72	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353358/71	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119508-B-10 DU	Duplicate	Total/NA	Water	SM2320 B	

### Analysis Batch: 353773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119798-1	SGWC-11	Total/NA	Water	SM2320 B	
180-119798-2	SGWC-12	Total/NA	Water	SM2320 B	
180-119798-3	SGWC-13	Total/NA	Water	SM2320 B	
180-119798-4	SGWA-25	Total/NA	Water	SM2320 B	
180-119798-5	FB-2 (AP-1)	Total/NA	Water	SM2320 B	
MB 180-353773/78	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353773/77	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353773/76	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119798-4 DU	SGWA-25	Total/NA	Water	SM2320 B	

## Field Service / Mobile Lab

### Analysis Batch: 352062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119436-1	SGWA-1	Total/NA	Water	Field Sampling	
180-119436-2	SGWA-2	Total/NA	Water	Field Sampling	
180-119436-5	SGWC-18	Total/NA	Water	Field Sampling	
180-119436-6	SGWC-19	Total/NA	Water	Field Sampling	
180-119436-7	SGWC-20	Total/NA	Water	Field Sampling	
180-119436-8	SGWC-21	Total/NA	Water	Field Sampling	
180-119436-9	SGWA-24	Total/NA	Water	Field Sampling	

### Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119478-1	SGWC-6	Total/NA	Water	Field Sampling	
180-119478-2	SGWC-7	Total/NA	Water	Field Sampling	
180-119478-3	SGWC-8	Total/NA	Water	Field Sampling	
180-119478-4	SGWC-16	Total/NA	Water	Field Sampling	
180-119478-5	SGWC-17	Total/NA	Water	Field Sampling	
180-119481-1	SGWA-3	Total/NA	Water	Field Sampling	
180-119481-2	SGWA-4	Total/NA	Water	Field Sampling	
180-119481-3	SGWA-5	Total/NA	Water	Field Sampling	
180-119481-4	SGWC-9	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 352098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119481-5	SGWC-10	Total/NA	Water	Field Sampling	
180-119481-9	SGWC-15	Total/NA	Water	Field Sampling	
180-119481-10	SGWC-22	Total/NA	Water	Field Sampling	
180-119481-11	SGWC-23	Total/NA	Water	Field Sampling	

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119763-1	SGWC-14	Total/NA	Water	Field Sampling	

### Analysis Batch: 352774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119798-1	SGWC-11	Total/NA	Water	Field Sampling	
180-119798-2	SGWC-12	Total/NA	Water	Field Sampling	
180-119798-3	SGWC-13	Total/NA	Water	Field Sampling	
180-119798-4	SGWA-25	Total/NA	Water	Field Sampling	



**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

Client Contact  
 Jojo Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Ash Pond Major Ions  
 Site: Georgia  
 P O # 18019884

Site Contact: Dawn Prell  
 Date: 3.30.2021  
 Lab Contact: Shali Brown  
 Carrier:  
 Barcode  
 180-119436 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
SGWA-1	3/30/2021	12:49	G	GW	5			X	X	pH= 5.28
SGWA-2	3/30/2021	13:47	G	GW	5			X	X	pH= 6.73
SGWC-6	3/20/2021	11:40	G	GW	5			X	X	pH= 6.45
SGWC-7	3/30/2021	10:34	G	GW	5			X	X	pH= 6.41
SGWC-18	3/30/2021	11:00	G	GW	5			X	X	pH= 4.82
SGWC-19	3/30/2021	16:02	G	GW	5			X	X	pH= 5.57
SGWC-20	3/20/2021	12:50	G	GW	7			X	X	pH= 4.32
SGWC-21	3/30/2021	14:15	G	GW	5			X	X	pH= 6.17
SGWA-24	3/30/2021	11:43	G	GW	5			X	X	pH= 6.27
SGWA-25	3/30/2021	14:56	G	GW	5			X	X	pH= 6.04
						1	4			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  
 Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:  
 Non-Hazard  Flammable  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seals Intact:  Yes  No  
 Relinquished by: [Signature] Date/Time: 3-31-21/10:00  
 Relinquished by: [Signature] Date/Time: 3-31-21/10:00  
 Relinquished by: [Signature] Date/Time: 4-2-21/10:00  
 Received by: [Signature] Date/Time: 3/31/21 8:14  
 Received by: [Signature] Date/Time: 3/31/21 10:00  
 Received by: [Signature] Date/Time: 4-2-21/10:00  
 Company: GWA Ass. Company: GWA Company: GWA  
 Cooler Temp. (°C): Obs'd: Cor'd: Therm ID No.:  
 Company: Courier Now Company: ET Company: [Signature]



# Chain of Custody Record

TestAmerica Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238-2907  
phone 412.963.7058 fax 412.963.2468

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

<b>Client Contact</b> Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 j.abraham@southernco.com	<b>Project Manager: Dawn Prell</b> Tel/Fax: 248-536-5445	<b>Site Contact: Dawn Prell</b> Lab Contact: Shali Brown	<b>Date:</b> 3-30-21 <b>Carrier:</b>	<b>COC No:</b> 1 of 1 COCs	
<b>Analysis Turnaround Time</b> <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day					
<b>Sample Identification</b>	<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=Grab)</b>	<b>Matrix</b>	<b># of Cont.</b>
EB_1 (AP-1)	3/30/2021	17:03	G	Water	5
FB_1 (AP-1)	3/30/2021	11:35	G	Water	5
DUP_1 (AP-1)	3/30/2021	----	G	Water	5
<b>Sample Specific Notes:</b> Perform MS/MSD (Y/N) Bicarbonate/carbonate Alkalinity K, Na, Mg					

**Preservation Used:** 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other  
**Possible Hazard Identification:** Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

Custody Seal No.: \_\_\_\_\_  
 Relinquished by: *[Signature]*  Yes  No  
 Relinquished by: *[Signature]* 3/31/21  
 Relinquished by: *[Signature]* 3/31/21, 10:00  
 Relinquished by: *[Signature]* 3/31/21, 10:00  
 Date/Time: 3-31-21/10:00  
 Date/Time: 3-31-21/10:00  
 Date/Time: 3-31-21/10:00  
 Received by: *[Signature]* Elaine Cook  
 Received by: *[Signature]* *[Signature]*  
 Received in Laboratory by: *[Signature]* *[Signature]*  
 Company: Golden Ass.  
 Company: EPA  
 Company: EPA  
 Company: Courier Now  
 Company: EPA  
 Company: EPA  
 Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Therm ID No.: \_\_\_\_\_





Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

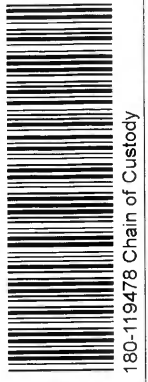
Client Contact: Joji Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
JAbraham@southernco.com  
Project Name: CCR - Ash Pond Major Ions  
Site: Georgia  
P.O # 18019884

Project Manager: Dawn Prell  
Tel/Fax: 248-536-5445

Site Contact: Dawn Prell  
Lab Contact: Shali Brown

Carrier: 4.1.2021  
COC No: 1 of 2 COCs

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Bicarbonate/carbonate Alkalinity	Sample Specific Notes:
						Y	N	Y	N		
SGWC-6	4/1/2021	12:26	G	GW	5			X		X	pH= 6.31
SGWC-7	4/1/2021	11:10	G	GW	5			X		X	pH= 6.44
SGWC-8	4/1/2021	9:37	G	GW	5			X		X	pH= 6.32
SGWC-16	4/1/2021	14:55	G	GW	5			X		X	pH= 5.24
SGWC-17	4/1/2021	13:40	G	GW	5			X		X	pH= 6.25
DUP-2 (AP-1)	4/1/2021	-----	G	GW	5			X		X	
EB-2 (AP-1)	4/1/2021	14:15	G	W	5			X		X	



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_

Possible Hazard Identification: \_\_\_\_\_  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Poison B  Unknown

Special Instructions/QC Requirements & Comments: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Cooler Temp (°C): Obs'd: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: 4/21/21 16:14  
Company: TAP

Received by: \_\_\_\_\_ Date/Time: 4/22/21 17:57  
Company: ETH

Received in laboratory by: \_\_\_\_\_ Date/Time: 4/22/21 17:57  
Company: ETH

Custody Seal No.: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: 4/22/21 18:20  
Company: ETH



**244- ATLANTA**

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_  
 Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Date: 03.31.2021  
 Carrier: \_\_\_\_\_  
 COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Client Contact: Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Ash Pond Major Ions  
 Site: Georgia  
 P O # 18019884

Site Contact: Dawn Prell  
 Lab Contact: Shaili Brown  
 Carrier: \_\_\_\_\_  
 Other: \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	sample Specific Notes:
						Y	N	Y	N			
SGWA-3	3/31/2021	11:13	G	GW	5					X	X	pH= 5.72
SGWA-4	3/31/2021	12:13	G	GW	5					X	X	pH= 6.33
SGWA-5	3/31/2021	13:38	G	GW	5					X	X	pH= 5.50
SGWC-9	3/31/2021	14:22	G	GW	5					X	X	pH= 6.20
SGWC-10	3/31/2021	13:00	G	GW	5					X	X	pH= 5.30
SGWC-11	3/31/2021	10:36	G	GW	5					X	X	pH= 5.10
SGWC-12	3/31/2021	11:18	G	GW	5					X	X	pH= 6.11
SGWC-13	3/31/2021	12:25	G	GW	5					X	X	pH= 6.02
SGWC-15	3/31/2021	14:04	G	GW	5					X	X	pH= 4.77
SGWC-22	3/31/2021	11:45	G	GW	7					X	X	pH= 5.73
SGWA-23	3/31/2021	10:29	G	GW	5					X	X	pH= 5.93
FB-2 (AP-D)	3/31/2021	10:30	G	GW	5					X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_  
 Possible Hazard Identification: \_\_\_\_\_  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Poison B  Unknown

Special Instructions/QC Requirements & Comments:  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seals Intact:  Yes  No  
 Relinquished by: [Signature] Date/Time: 4-12/0804  
 Relinquished by: [Signature] Date/Time: 4/12/21  
 Relinquished by: [Signature] Date/Time: 4/12/21  
 Received by: Elaine Cook Date/Time: 4/12/21  
 Received by: [Signature] Date/Time: 4/12/21  
 Received in Laboratory by: [Signature] Date/Time: 4/12/21  
 Company: Courier Now  
 Company: EPA  
 Company: EPA  
 Company: EPA  
 Therm ID No.: \_\_\_\_\_  
 Cooler Temp. (°C): Obs d: \_\_\_\_\_  
 Corrd: \_\_\_\_\_



301 Alpha Drive  
RIDC Park

Pittsburgh, PA 15238-2907  
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

Client Contact: Joju Abraham, Southern Company, 241 Ralph McGill Blvd SE B10185, Atlanta, GA 30308, JAbraham@southernco.com  
 Project Name: CCR - Plant Scherer Ash Pond Major Ions  
 Site: Georgia  
 P O #

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Analysis Turnaround Time:  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

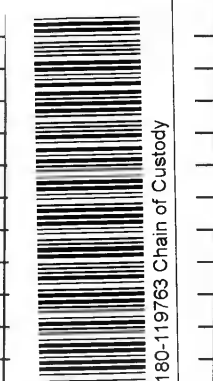
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
SGWC-14	4/6/2021	10:49	G	GW	5

Site Contact: Dawn Prell  
 Lab Contact: Shali Brown  
 Carrier: 4.6.2021  
 COC No: 1 of 1 COCs  
 Sampler:  
 For Lab Use Only:  
 Walk-in Client:  
 Lab Sampling:  
 Job / SDG No.:

Filtered Sample (Y/N) \_\_\_\_\_  
 Perform MS/MSD (Y/N) \_\_\_\_\_  
 Bicarbonate/carbonate Alkalinity X  
 K, Na, Mg X  
 Sample Specific Notes:  
 pH= 5.84

Preservation Used:		1 = Ice, 2 = HCl, 3 = H2SO4, 4 = HNO3, 5 = NaOH, 6 = Other
Possible Hazard Identification:		1 4
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		

Special Instructions/QC Requirements & Comments:  
 Non-Hazard  Flammable  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months



Custody Seals Intact:  Yes  No  
 Relinquished by: Jen 2-ee  
 Relinquished by: [Signature] Date/Time: 4/7/21  
 Relinquished by: [Signature] Date/Time: 4/7/21  
 Received by: [Signature] Date/Time: 4/7/21  
 Received by: [Signature] Date/Time: 4/7/21  
 Received in Laboratory by: [Signature] Date/Time: 9-21-19:30  
 Company: Golden  
 Company: ETA  
 Company: ETA  
 Company: Courner Now  
 Date/Time: 4/7/21  
 Date/Time: 4/7/21  
 Date/Time: 9-21-19:30  
 Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Corrd: \_\_\_\_\_  
 Therm ID No.: \_\_\_\_\_



**Regulatory Program:**  DW  NPDES  RCRA  Other: \_\_\_\_\_

**Project Manager:** Dawn Prell  
**Tel/Fax:** 248-536-5445

**Site Contact:** Dawn Prell  
**Lab Contact:** Shali Brown  
**Carrier:** 4.7.2021

**Client Contact:** Joju Abraham  
**Southern Company:** 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 j.abraham@southernco.com  
**Project Name:** CCR - Plant Scherer Ash Pond Major Ions  
**Site:** Georgia  
**P O #**

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
SGWC-11	4/7/2021	12:23	G	GW	5			X	X	pH= 5.18
SGWC-12	4/7/2021	14:48	G	GW	5			X	X	pH= 6.44
SGWC-13	4/7/2021	15:25	G	GW	5			X	X	pH= 6.07
SGWA-25	4/7/2021	14:09	G	GW	5			X	X	pH= 6.12
FB-2 (AP-1)	4/7/2021	13:45	G	W	5			X	X	

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

**Possible Hazard Identification:**  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_ Corrd: \_\_\_\_\_ Therm ID No.: \_\_\_\_\_

**Received by:** \_\_\_\_\_ Company: EPA  
**Date/Time:** 4/8/21 10:30  
**Received by:** \_\_\_\_\_ Company: \_\_\_\_\_  
**Date/Time:** 4/8/21 16:00  
**Received by:** \_\_\_\_\_ Company: \_\_\_\_\_  
**Date/Time:** \_\_\_\_\_

**Custody Seal No.:** \_\_\_\_\_  
 Yes  No

**Custody Seals Intact:** \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_  
**Relinquished by:** \_\_\_\_\_  
**Relinquished by:** \_\_\_\_\_



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119436**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119478**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119481**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119481**

**List Number: 2**

**Creator: Smith, Abbey V**

**List Source: Eurofins TestAmerica, Pittsburgh**

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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119763**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	False	
Is the Field Sampler's name present on COC?	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

**Login Number: 119798**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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?	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119437-1  
Client Project/Site: Plant Scherer Ash Pond  
Revision: 1

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

Attn: Joju Abraham



Authorized for release by:  
5/5/2021 3:12:22 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

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

Job ID: 180-119437-1

**Job ID: 180-119437-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

### Job Narrative 180-119437-1

#### Comments

050121 Revised report to remove samples SGWC-6 and SGWC-7 per client request as they were recollected at a later date. This report replaces the report previously issued on 042821.

#### Receipt

The samples were received on 4/2/2021 10:00 AM, 4/3/2021 10:45 AM and 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 2.1° C, 2.2° C, 2.3° C, 2.9° C, 2.9° C, 3.1° C, 3.1° C, 3.1° C, 3.2° C, 3.4° C, 3.5° C, 3.7° C, 3.8° C and 3.8° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished to TAPITT.

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SGWA-25 (180-119437-10). This sample was recollected

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWA-23 (180-119480-11). The container labels list a sample id of SGWC-23, while the COC lists SGWA-23. The client was contacted; the correct ID is SGWC-23.

The following sample were listed on the Chain of Custody (COC); however, no samples were received: The airbill is one out of three therefore we are missing two coolers. SGWA-3 (180-119480-1), SGWA-4 (180-119480-2), SGWA-5 (180-119480-3), SGWC-10 (180-119480-5), SGWC-11 (180-119480-6), SGWC-12 (180-119480-7), SGWC-13 (180-119480-8) and FB-2 (AP-1) (180-119480-12). These samples were recollected.

#### GC Semi VOA

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-353596 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

Methods 6020B: The low level continuing calibration verification (CCVL) associated with batch 180-353952 recovered above the upper control limit for lead. The samples associated with this CCVL were 10X the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-354323 recovered above the upper control limit for boron. The samples associated with this CCV less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (LCS 180-353427/2-A) and (MB 180-353427/1-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

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

Job ID: 180-119437-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
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.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# Accreditation/Certification Summary

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

Job ID: 180-119437-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

# Sample Summary

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

Job ID: 180-119437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119437-1	SGWA-1	Water	03/30/21 12:49	04/02/21 10:00	
180-119437-2	SGWA-2	Water	03/30/21 13:47	04/02/21 10:00	
180-119437-5	SGWC-18	Water	03/30/21 11:00	04/02/21 10:00	
180-119437-6	SGWC-19	Water	03/30/21 16:02	04/02/21 10:00	
180-119437-7	SGWC-20	Water	03/30/21 12:50	04/02/21 10:00	
180-119437-8	SGWC-21	Water	03/30/21 14:15	04/02/21 10:00	
180-119437-9	SGWA-24	Water	03/30/21 11:43	04/02/21 10:00	
180-119437-11	EB_1(AP-1)	Water	03/30/21 17:03	04/02/21 10:00	
180-119437-12	FB_1(AP-1)	Water	03/30/21 11:35	04/02/21 10:00	
180-119437-13	DUP_1(AP-1)	Water	03/30/21 00:00	04/02/21 10:00	
180-119479-1	SGWC-6	Water	04/01/21 12:26	04/03/21 10:45	
180-119479-2	SGWC-7	Water	04/01/21 11:10	04/03/21 10:45	
180-119479-3	SGWC-8	Water	04/01/21 09:37	04/03/21 10:45	
180-119479-4	SGWC-16	Water	04/01/21 14:55	04/03/21 10:45	
180-119479-5	SGWC-17	Water	04/01/21 13:40	04/03/21 10:45	
180-119479-6	DUP-2 (AP-1)	Water	04/01/21 00:00	04/03/21 10:45	
180-119479-7	EB-2 (AP-1)	Water	04/01/21 14:15	04/03/21 10:45	
180-119480-1	SGWA-3	Water	03/31/21 11:13	04/03/21 10:45	
180-119480-2	SGWA-4	Water	03/31/21 12:13	04/03/21 10:45	
180-119480-3	SGWA-5	Water	03/31/21 13:38	04/03/21 10:45	
180-119480-4	SGWC-9	Water	03/31/21 14:22	04/03/21 10:45	
180-119480-5	SGWC-10	Water	03/31/21 13:00	04/03/21 10:45	
180-119480-9	SGWC-15	Water	03/31/21 14:04	04/03/21 10:45	
180-119480-10	SGWC-22	Water	03/31/21 11:45	04/03/21 10:45	
180-119480-11	SGWC-23	Water	03/31/21 10:29	04/03/21 10:45	
180-119762-1	SGWC-14	Water	04/06/21 10:49	04/09/21 09:30	
180-119799-1	SGWC-11	Water	04/07/21 12:23	04/09/21 09:30	
180-119799-2	SGWC-12	Water	04/07/21 14:48	04/09/21 09:30	
180-119799-3	SGWC-13	Water	04/07/21 15:25	04/09/21 09:30	
180-119799-4	SGWA-25	Water	04/07/21 14:09	04/09/21 09:30	
180-119799-5	FB-2 (AP-1)	Water	04/07/21 13:45	04/09/21 09:30	



# Method Summary

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

Job ID: 180-119437-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

#### 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:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-1**  
**Date Collected: 03/30/21 12:49**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352645	04/10/21 21:47	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 10:11	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 10:44	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352133	04/06/21 23:07	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	03/30/21 12:49	FDS	TAL PIT

**Client Sample ID: SGWA-2**  
**Date Collected: 03/30/21 13:47**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-2**  
**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	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352645	04/10/21 19:23	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 10:28	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 10:46	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352133	04/06/21 23:07	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	03/30/21 13:47	FDS	TAL PIT

**Client Sample ID: SGWC-18**  
**Date Collected: 03/30/21 11:00**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-5**  
**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	EPA 300.0 R2.1 Instrument ID: CHIC2100A		2.5			352645	04/10/21 20:12	SAT	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		25			352645	04/10/21 20:28	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 10:47	RSK	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-18**  
**Date Collected: 03/30/21 11:00**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-5**  
**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	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:51	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352133	04/06/21 23:07	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	03/30/21 11:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-19**  
**Date Collected: 03/30/21 16:02**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 20:43	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total/NA	Analysis	EPA 300.0 R2.1		5			352645	04/10/21 20:59	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 11:01	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:54	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352133	04/06/21 23:07	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	03/30/21 16:02	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-20**  
**Date Collected: 03/30/21 12:50**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 21:15	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total/NA	Analysis	EPA 300.0 R2.1		5			352645	04/10/21 21:31	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 11:05	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:55	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-119437-7**

Date Collected: 03/30/21 12:50

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352098	03/30/21 12:50	FDS	TAL PIT

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-119437-8**

Date Collected: 03/30/21 14:15

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352645	04/10/21 23:06	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 11:08	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 10:55	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	03/30/21 14:15	FDS	TAL PIT

**Client Sample ID: SGWA-24**

**Lab Sample ID: 180-119437-9**

Date Collected: 03/30/21 11:43

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352645	04/11/21 00:57	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 11:12	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 10:56	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	03/30/21 11:43	FDS	TAL PIT

**Client Sample ID: EB\_1(AP-1)**

**Lab Sample ID: 180-119437-11**

Date Collected: 03/30/21 17:03

Matrix: Water

Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352645	04/10/21 22:50	SAT	TAL PIT

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: EB\_1(AP-1)**  
Date Collected: 03/30/21 17:03  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-11**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 11:15	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:57	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB\_1(AP-1)**  
Date Collected: 03/30/21 11:35  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-12**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1	1 mL	1.0 mL	352645	04/10/21 22:34	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 11:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:58	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: DUP\_1(AP-1)**  
Date Collected: 03/30/21 00:00  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-13**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 23:38	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353040	04/14/21 12:00	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 11:23	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 10:59	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352134	04/06/21 23:26	GRB	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-6**  
**Date Collected: 04/01/21 12:26**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/14/21 02:18	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 12:38	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:46	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 12:26	FDS	TAL PIT

**Client Sample ID: SGWC-7**  
**Date Collected: 04/01/21 11:10**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-2**  
**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	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/14/21 05:51	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 12:56	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:47	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 11:10	FDS	TAL PIT

**Client Sample ID: SGWC-8**  
**Date Collected: 04/01/21 09:37**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-3**  
**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	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/14/21 01:13	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 13:00	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:48	KHM	TAL PIT

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-119479-3**

**Date Collected: 04/01/21 09:37**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 09:37	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-119479-4**

**Date Collected: 04/01/21 14:55**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/14/21 04:45	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:03	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:49	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-119479-5**

**Date Collected: 04/01/21 13:40**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/14/21 05:34	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total/NA	Analysis	EPA 300.0 R2.1		5			353149	04/15/21 13:51	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:14	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:54	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 13:40	FDS	TAL PIT
Instrument ID: NOEQUIP										



# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: DUP-2 (AP-1)**

**Lab Sample ID: 180-119479-6**

**Date Collected: 04/01/21 00:00**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/14/21 06:07	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:18	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:55	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: EB-2 (AP-1)**

**Lab Sample ID: 180-119479-7**

**Date Collected: 04/01/21 14:15**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/14/21 06:23	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:21	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:56	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-119480-1**

**Date Collected: 03/31/21 11:13**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 18:47	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:55	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:00	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352289	04/07/21 18:51	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	03/31/21 11:13	FDS	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-4**  
**Date Collected: 03/31/21 12:13**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-2**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352646	04/10/21 18:31	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:59	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:01	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352289	04/07/21 18:51	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352049	03/31/21 12:13	FDS	TAL PIT

**Client Sample ID: SGWA-5**  
**Date Collected: 03/31/21 13:38**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-3**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352646	04/10/21 19:20	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 21:02	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:02	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352289	04/07/21 18:51	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352049	03/31/21 13:38	FDS	TAL PIT

**Client Sample ID: SGWC-9**  
**Date Collected: 03/31/21 14:22**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		5			352844	04/14/21 00:24	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352646	04/10/21 17:26	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 21:13	RSK	TAL PIT

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-119480-4**

**Date Collected: 03/31/21 14:22**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

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	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:03	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352289	04/07/21 18:51	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	03/31/21 14:22	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-119480-5**

**Date Collected: 03/31/21 13:00**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 19:04	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 21:17	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:04	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352290	04/07/21 18:55	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	03/31/21 13:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-119480-9**

**Date Collected: 03/31/21 14:04**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		5			352844	04/14/21 00:04	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total/NA	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 17:09	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 21:20	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:05	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352290	04/07/21 18:55	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	03/31/21 14:04	FDS	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-22**  
**Date Collected: 03/31/21 11:45**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-10**  
**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	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352646	04/10/21 18:15	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 08:56	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354281	04/22/21 10:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:06	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352290	04/07/21 18:55	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352049	03/31/21 11:45	FDS	TAL PIT

**Client Sample ID: SGWC-23**  
**Date Collected: 03/31/21 10:29**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352646	04/10/21 17:42	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 08:59	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354281	04/22/21 10:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:07	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352290	04/07/21 18:55	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352049	03/31/21 10:29	FDS	TAL PIT

**Client Sample ID: SGWC-14**  
**Date Collected: 04/06/21 10:49**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119762-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353748	04/20/21 13:21	EPS	TAL PIT

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# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-14**  
**Date Collected: 04/06/21 10:49**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119762-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:34	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 12:39	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 10:54	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 10:49	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-11**  
**Date Collected: 04/07/21 12:23**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353596	04/19/21 12:37	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:06	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 12:44	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 10:57	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 12:23	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-12**  
**Date Collected: 04/07/21 14:48**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-2**  
**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	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 15:11	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:10	RSK	TAL PIT
Instrument ID: A										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-12**  
**Date Collected: 04/07/21 14:48**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 12:47	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 10:58	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:48	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-13**  
**Date Collected: 04/07/21 15:25**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-3**  
**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	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 21:43	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:13	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 12:55	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 10:59	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 15:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-25**  
**Date Collected: 04/07/21 14:09**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 12:33	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:17	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 12:57	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-25**  
**Date Collected: 04/07/21 14:09**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-4**  
**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	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:00	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:09	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-2 (AP-1)**  
**Date Collected: 04/07/21 13:45**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-5**  
**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	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 22:32	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:20	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 13:00	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:01	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

- KEM = Kimberly Mahoney
- MM1 = Mary Beth Miller
- TJO = Tyler Oliver

Batch Type: Analysis

- EPS = Evan Scheuer
- FDS = Sampler Field
- GRB = Gabriel Berghe
- KHM = Kyle Mucroski
- KMM = Kendric Moore
- RSK = Robert Kurtz
- SAT = Stephen Tallam



# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-1**

**Lab Sample ID: 180-119437-1**

Date Collected: 03/30/21 12:49

Matrix: Water

Date Received: 04/02/21 10:00

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.3</b>		1.0	0.71	mg/L			04/10/21 21:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 21:47	1
<b>Sulfate</b>	<b>1.2</b>		1.0	0.76	mg/L			04/10/21 21:47	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Barium</b>	<b>0.047</b>		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Beryllium</b>	<b>0.00025</b>	<b>J</b>	0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Boron</b>	<b>0.041</b>	<b>J B</b>	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 10:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Calcium</b>	<b>2.2</b>		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Chromium</b>	<b>0.0026</b>		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Cobalt</b>	<b>0.0013</b>	<b>J</b>	0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 10:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 10:11	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 10:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 10:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 10:11	1
<b>Thallium</b>	<b>0.00035</b>	<b>J B</b>	0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 10:11	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:44	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>32</b>		10	10	mg/L			04/06/21 23:07	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.28</b>				SU			03/30/21 12:49	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-2**

**Lab Sample ID: 180-119437-2**

Date Collected: 03/30/21 13:47

Matrix: Water

Date Received: 04/02/21 10:00

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.71	mg/L			04/10/21 19:23	1
Fluoride	0.048	J	0.10	0.026	mg/L			04/10/21 19:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 19:23	1

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 10:28	1
Barium	0.039		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 10:28	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 10:28	1
Boron	0.045	J B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 10:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 10:28	1
Calcium	12		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 10:28	1
Chromium	0.014		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 10:28	1
Cobalt	0.00021	J	0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 10:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 10:28	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 10:28	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 10:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 10:28	1
Thallium	0.00034	J B	0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 10:28	1

## Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:46	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/06/21 23:07	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.73				SU			03/30/21 13:47	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-18**

**Lab Sample ID: 180-119437-5**

Date Collected: 03/30/21 11:00

Matrix: Water

Date Received: 04/02/21 10:00

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		2.5	1.8	mg/L			04/10/21 20:12	2.5
Fluoride	0.10	J	0.25	0.065	mg/L			04/10/21 20:12	2.5
Sulfate	960		25	19	mg/L			04/10/21 20:28	25

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0028		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 10:47	1
Barium	0.015		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 10:47	1
Beryllium	0.00025	J	0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 10:47	1
Boron	6.4	B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 10:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 10:47	1
Calcium	68		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 10:47	1
Chromium	0.0098		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 10:47	1
Cobalt	0.11		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 10:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 10:47	1
Lithium	0.0043	J	0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 10:47	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 10:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 10:47	1
Thallium	0.00024	J B	0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 10:47	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00022		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:51	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1500		10	10	mg/L			04/06/21 23:07	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.82				SU			03/30/21 11:00	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-119437-6**

Date Collected: 03/30/21 16:02

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		1.0	0.71	mg/L			04/10/21 20:43	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 20:43	1
Sulfate	270		5.0	3.8	mg/L			04/10/21 20:59	5

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:01	1
Barium	0.030		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:01	1
Beryllium	0.00018	J	0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:01	1
Boron	1.9	B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:01	1
Calcium	50		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:01	1
Chromium	0.014		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:01	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:01	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:01	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:01	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	420		10	10	mg/L			04/06/21 23:07	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.57				SU			03/30/21 16:02	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-20**

**Lab Sample ID: 180-119437-7**

Date Collected: 03/30/21 12:50

Matrix: Water

Date Received: 04/02/21 10:00

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.9		1.0	0.71	mg/L			04/10/21 21:15	1
Fluoride	0.18		0.10	0.026	mg/L			04/10/21 21:15	1
Sulfate	220		5.0	3.8	mg/L			04/10/21 21:31	5

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00049	J	0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:05	1
Barium	0.021		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:05	1
Beryllium	0.00058	J	0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:05	1
Boron	1.6	B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:05	1
Calcium	14		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:05	1
Cobalt	0.15		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:05	1
Lead	0.00018	J	0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:05	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:05	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:05	1
Thallium	0.00018	J B	0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:05	1

## Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00013	J	0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:55	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			04/06/21 23:26	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.32				SU			03/30/21 12:50	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-119437-8**

Date Collected: 03/30/21 14:15

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			04/10/21 23:06	1
Fluoride	0.074	J	0.10	0.026	mg/L			04/10/21 23:06	1
Sulfate	140		1.0	0.76	mg/L			04/10/21 23:06	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:08	1
Barium	0.12		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:08	1
Boron	1.1	B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:08	1
Calcium	41		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:08	1
Cobalt	0.00016	J	0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:08	1
Lead	0.00020	J	0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:08	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:08	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:08	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	380		10	10	mg/L			04/06/21 23:26	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.17				SU			03/30/21 14:15	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-24**

**Lab Sample ID: 180-119437-9**

Date Collected: 03/30/21 11:43

Matrix: Water

Date Received: 04/02/21 10:00

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5		1.0	0.71	mg/L			04/11/21 00:57	1
Fluoride	0.052	J	0.10	0.026	mg/L			04/11/21 00:57	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/21 00:57	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:12	1
Barium	0.022		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:12	1
Boron	0.072	J B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:12	1
Calcium	15		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:12	1
Chromium	0.0047		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:12	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:12	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:12	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:12	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:12	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:56	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/06/21 23:26	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.27				SU			03/30/21 11:43	1



# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: EB\_1(AP-1)**

**Lab Sample ID: 180-119437-11**

Date Collected: 03/30/21 17:03

Matrix: Water

Date Received: 04/02/21 10:00

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 22:50	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 22:50	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 22:50	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:15	1
Barium	<0.0016		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:15	1
<b>Boron</b>	<b>0.054</b>	<b>J B</b>	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:15	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:15	1
Calcium	<0.13		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:15	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:15	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:15	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:15	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:15	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/06/21 23:26	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: FB\_1(AP-1)**

**Lab Sample ID: 180-119437-12**

Date Collected: 03/30/21 11:35

Matrix: Water

Date Received: 04/02/21 10:00

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 22:34	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 22:34	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 22:34	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:19	1
Barium	<0.0016		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:19	1
<b>Boron</b>	<b>0.050</b>	<b>J B</b>	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:19	1
Calcium	<0.13		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:19	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:19	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:19	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:58	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/06/21 23:26	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: DUP\_1(AP-1)**

**Lab Sample ID: 180-119437-13**

Date Collected: 03/30/21 00:00

Matrix: Water

Date Received: 04/02/21 10:00

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			04/10/21 23:38	1
Fluoride	0.080	J	0.10	0.026	mg/L			04/10/21 23:38	1
Sulfate	140		1.0	0.76	mg/L			04/10/21 23:38	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 11:23	1
Barium	0.12		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 11:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 11:23	1
Boron	1.1	B	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 11:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 11:23	1
Calcium	42		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 11:23	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 11:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 11:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 11:23	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 11:23	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 11:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 11:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 11:23	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:59	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	380		10	10	mg/L			04/06/21 23:26	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-6**

**Lab Sample ID: 180-119479-1**

Date Collected: 04/01/21 12:26

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.4		1.0	0.71	mg/L			04/14/21 02:18	1
Fluoride	0.14		0.10	0.026	mg/L			04/14/21 02:18	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 02:18	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 12:38	1
Barium	0.12		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 12:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 12:38	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 12:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 12:38	1
Calcium	11		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 12:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 12:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 12:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 12:38	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 12:38	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 12:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 12:38	1
Thallium	0.00023	J	0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 12:38	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	83		10	10	mg/L			04/08/21 18:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.31				SU			04/01/21 12:26	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-7**

**Lab Sample ID: 180-119479-2**

Date Collected: 04/01/21 11:10

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.0		1.0	0.71	mg/L			04/14/21 05:51	1
Fluoride	0.25		0.10	0.026	mg/L			04/14/21 05:51	1
Sulfate	18		1.0	0.76	mg/L			04/14/21 05:51	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00044	J	0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 12:56	1
Barium	0.26		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 12:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 12:56	1
Boron	0.069	J	0.080	0.039	mg/L		04/15/21 14:53	04/20/21 12:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 12:56	1
Calcium	22		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 12:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 12:56	1
Cobalt	0.0029		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 12:56	1
Lead	0.00015	J	0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 12:56	1
Lithium	0.0053		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 12:56	1
Molybdenum	0.00090	J	0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 12:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 12:56	1
Thallium	0.00042	J	0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 12:56	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			04/08/21 18:52	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 11:10	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-119479-3**

Date Collected: 04/01/21 09:37

Matrix: Water

Date Received: 04/03/21 10:45

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		1.0	0.71	mg/L			04/14/21 01:13	1
Fluoride	0.38		0.10	0.026	mg/L			04/14/21 01:13	1
Sulfate	74		1.0	0.76	mg/L			04/14/21 01:13	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:00	1
Barium	0.17		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:00	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:00	1
Boron	0.14		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:00	1
Calcium	52		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:00	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:00	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:00	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:00	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 13:00	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 13:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:00	1
Thallium	0.00021	J	0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:00	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:48	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			04/01/21 09:37	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-119479-4**

Date Collected: 04/01/21 14:55

Matrix: Water

Date Received: 04/03/21 10:45

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>9.2</b>		1.0	0.71	mg/L			04/14/21 04:45	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 04:45	1
<b>Sulfate</b>	<b>37</b>		1.0	0.76	mg/L			04/14/21 04:45	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.00033</b>	<b>J</b>	0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:03	1
<b>Barium</b>	<b>0.029</b>		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:03	1
<b>Boron</b>	<b>0.55</b>		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:03	1
<b>Calcium</b>	<b>1.2</b>		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:03	1
<b>Chromium</b>	<b>0.012</b>		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:03	1
<b>Cobalt</b>	<b>0.0049</b>		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:03	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 13:03	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 13:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:03	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:49	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>88</b>		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.24</b>				SU			04/01/21 14:55	1



# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-17**

**Lab Sample ID: 180-119479-5**

Date Collected: 04/01/21 13:40

Matrix: Water

Date Received: 04/03/21 10:45

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.2		1.0	0.71	mg/L			04/14/21 05:34	1
Fluoride	0.051	J	0.10	0.026	mg/L			04/14/21 05:34	1
Sulfate	210		5.0	3.8	mg/L			04/15/21 13:51	5

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:14	1
Barium	0.022		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:14	1
Boron	0.31		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:14	1
Calcium	57		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:14	1
Chromium	0.0046		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:14	1
Cobalt	0.00041	J	0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:14	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 13:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 13:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:14	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	410		10	10	mg/L			04/08/21 18:52	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.25				SU			04/01/21 13:40	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: DUP-2 (AP-1)**

**Lab Sample ID: 180-119479-6**

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.1		1.0	0.71	mg/L			04/14/21 06:07	1
Fluoride	0.24		0.10	0.026	mg/L			04/14/21 06:07	1
Sulfate	18		1.0	0.76	mg/L			04/14/21 06:07	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:18	1
Barium	0.26		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:18	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:18	1
Boron	0.048	J	0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:18	1
Calcium	22		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:18	1
Cobalt	0.0028		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:18	1
Lithium	0.0053		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 13:18	1
Molybdenum	0.00075	J	0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 13:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:18	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:55	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			04/08/21 18:52	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: EB-2 (AP-1)**

**Lab Sample ID: 180-119479-7**

Date Collected: 04/01/21 14:15

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/14/21 06:23	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 06:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 06:23	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:21	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:21	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:21	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:21	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 13:21	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 13:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:21	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>11</b>		10	10	mg/L			04/08/21 18:48	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-119480-1**

Date Collected: 03/31/21 11:13

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.3</b>		1.0	0.71	mg/L			04/10/21 18:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 18:47	1
<b>Sulfate</b>	<b>1.1</b>		1.0	0.76	mg/L			04/10/21 18:47	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:55	1
<b>Barium</b>	<b>0.041</b>		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:55	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:55	1
<b>Calcium</b>	<b>5.5</b>		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:55	1
<b>Chromium</b>	<b>0.018</b>		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:55	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:55	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 20:55	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 20:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:55	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>57</b>		10	10	mg/L			04/07/21 18:51	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.72</b>				SU			03/31/21 11:13	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-119480-2**

Date Collected: 03/31/21 12:13

Matrix: Water

Date Received: 04/03/21 10:45

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.71	mg/L			04/10/21 18:31	1
Fluoride	0.051	J	0.10	0.026	mg/L			04/10/21 18:31	1
Sulfate	1.1		1.0	0.76	mg/L			04/10/21 18:31	1

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:59	1
Barium	0.068		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:59	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:59	1
Calcium	17		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:59	1
Chromium	0.0037		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:59	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:59	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 20:59	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 20:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:59	1

## Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:01	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/07/21 18:51	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.33				SU			03/31/21 12:13	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-119480-3**

Date Collected: 03/31/21 13:38

Matrix: Water

Date Received: 04/03/21 10:45

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.1</b>		1.0	0.71	mg/L			04/10/21 19:20	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 19:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 19:20	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 21:02	1
<b>Barium</b>	<b>0.011</b>		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 21:02	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 21:02	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 21:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 21:02	1
<b>Calcium</b>	<b>1.6</b>		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 21:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 21:02	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 21:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 21:02	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 21:02	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 21:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 21:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 21:02	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:02	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>35</b>		10	10	mg/L			04/07/21 18:51	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.50</b>				SU			03/31/21 13:38	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-119480-4**

Date Collected: 03/31/21 14:22

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16		1.0	0.71	mg/L			04/10/21 17:26	1
Fluoride	0.073	J	0.10	0.026	mg/L			04/10/21 17:26	1
Sulfate	240		5.0	3.8	mg/L			04/14/21 00:24	5

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00033	J	0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 21:13	1
Barium	0.061		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 21:13	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 21:13	1
Boron	1.5	B	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 21:13	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 21:13	1
Calcium	47		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 21:13	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 21:13	1
Cobalt	0.0046		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 21:13	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 21:13	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 21:13	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 21:13	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 21:13	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 21:13	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	430		10	10	mg/L			04/07/21 18:51	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.20				SU			03/31/21 14:22	1



# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-119480-5**

Date Collected: 03/31/21 13:00

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.2		1.0	0.71	mg/L			04/10/21 19:04	1
Fluoride	0.047	J	0.10	0.026	mg/L			04/10/21 19:04	1
Sulfate	15		1.0	0.76	mg/L			04/10/21 19:04	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 21:17	1
Barium	0.036		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 21:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 21:17	1
Boron	0.15	B	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 21:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 21:17	1
Calcium	2.3		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 21:17	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 21:17	1
Cobalt	0.026		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 21:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 21:17	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 21:17	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 21:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 21:17	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 21:17	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		10	10	mg/L			04/07/21 18:55	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.30				SU			03/31/21 13:00	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-119480-9**

Date Collected: 03/31/21 14:04

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/10/21 17:09	1
Fluoride	0.12		0.10	0.026	mg/L			04/10/21 17:09	1
Sulfate	200		5.0	3.8	mg/L			04/14/21 00:04	5

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0012		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 21:20	1
Barium	0.028		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 21:20	1
Beryllium	0.00045	J	0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 21:20	1
Boron	1.4	B	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 21:20	1
Cadmium	0.00027	J	0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 21:20	1
Calcium	17		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 21:20	1
Chromium	0.034		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 21:20	1
Cobalt	0.26		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 21:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 21:20	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 21:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 21:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 21:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 21:20	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00018	J	0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	300		10	10	mg/L			04/07/21 18:55	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.77				SU			03/31/21 14:04	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-119480-10**

Date Collected: 03/31/21 11:45

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>11</b>		1.0	0.71	mg/L			04/10/21 18:15	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 18:15	1
<b>Sulfate</b>	<b>120</b>		1.0	0.76	mg/L			04/10/21 18:15	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	04/20/21 08:56	1
<b>Barium</b>	<b>0.072</b>		0.010	0.0016	mg/L		04/16/21 13:15	04/20/21 08:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	04/20/21 08:56	1
<b>Boron</b>	<b>0.47</b>		0.080	0.039	mg/L		04/16/21 13:15	04/22/21 10:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	04/20/21 08:56	1
<b>Calcium</b>	<b>30</b>		0.50	0.13	mg/L		04/16/21 13:15	04/20/21 08:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:15	04/20/21 08:56	1
<b>Cobalt</b>	<b>0.0011 J</b>		0.0025	0.00013	mg/L		04/16/21 13:15	04/20/21 08:56	1
<b>Lead</b>	<b>0.00015 J</b>		0.0010	0.00013	mg/L		04/16/21 13:15	04/20/21 08:56	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:15	04/20/21 08:56	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:15	04/20/21 08:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	04/20/21 08:56	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:15	04/20/21 08:56	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>240</b>		10	10	mg/L			04/07/21 18:55	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.73</b>				SU			03/31/21 11:45	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-23**

**Lab Sample ID: 180-119480-11**

Date Collected: 03/31/21 10:29

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/10/21 17:42	1
Fluoride	0.046	J	0.10	0.026	mg/L			04/10/21 17:42	1
Sulfate	75		1.0	0.76	mg/L			04/10/21 17:42	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	04/20/21 08:59	1
Barium	0.059		0.010	0.0016	mg/L		04/16/21 13:15	04/20/21 08:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	04/20/21 08:59	1
Boron	0.51		0.080	0.039	mg/L		04/16/21 13:15	04/22/21 10:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	04/20/21 08:59	1
Calcium	24		0.50	0.13	mg/L		04/16/21 13:15	04/20/21 08:59	1
Chromium	0.0016	J	0.0020	0.0015	mg/L		04/16/21 13:15	04/20/21 08:59	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:15	04/20/21 08:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	04/20/21 08:59	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:15	04/20/21 08:59	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:15	04/20/21 08:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	04/20/21 08:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:15	04/20/21 08:59	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	220		10	10	mg/L			04/07/21 18:55	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.93				SU			03/31/21 10:29	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-14**

**Lab Sample ID: 180-119762-1**

Date Collected: 04/06/21 10:49

Matrix: Water

Date Received: 04/09/21 09:30

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>11</b>		1.0	0.71	mg/L			04/20/21 13:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/20/21 13:21	1
<b>Sulfate</b>	<b>190</b>		1.0	0.76	mg/L			04/20/21 13:21	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 18:34	1
<b>Barium</b>	<b>0.048</b>		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 18:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 18:34	1
<b>Boron</b>	<b>1.6</b>		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 18:34	1
<b>Calcium</b>	<b>42</b>		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 18:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 18:34	1
<b>Cobalt</b>	<b>0.0072</b>	<b>B</b>	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 18:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 18:34	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 18:34	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 18:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 18:34	1
<b>Thallium</b>	<b>0.00017</b>	<b>J B</b>	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 18:34	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>320</b>		10	10	mg/L			04/13/21 19:18	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.84</b>				SU			04/06/21 10:49	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-11**

**Lab Sample ID: 180-119799-1**

Date Collected: 04/07/21 12:23

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>8.8</b>		1.0	0.71	mg/L			04/19/21 12:37	1
Fluoride	<0.026	F1	0.10	0.026	mg/L			04/19/21 12:37	1
<b>Sulfate</b>	<b>1.3</b>		1.0	0.76	mg/L			04/19/21 12:37	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:06	1
<b>Barium</b>	<b>0.046</b>		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:06	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:06	1
<b>Boron</b>	<b>0.68</b>		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:06	1
<b>Calcium</b>	<b>1.9</b>		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:06	1
<b>Cobalt</b>	<b>0.019</b>	<b>B</b>	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:06	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:06	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 19:06	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:06	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:06	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>40</b>		10	10	mg/L			04/14/21 18:29	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.18</b>				SU			04/07/21 12:23	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-12**

**Lab Sample ID: 180-119799-2**

Date Collected: 04/07/21 14:48

Matrix: Water

Date Received: 04/09/21 09:30

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.0		1.0	0.71	mg/L			04/19/21 15:11	1
Fluoride	0.066	J	0.10	0.026	mg/L			04/19/21 15:11	1
Sulfate	54		1.0	0.76	mg/L			04/19/21 15:11	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:10	1
Barium	0.058		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:10	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:10	1
Boron	<0.039		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:10	1
Calcium	23		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:10	1
Cobalt	0.0017	J B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:10	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:10	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:10	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 19:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:10	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:10	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:58	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	210		10	10	mg/L			04/14/21 18:29	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/07/21 14:48	1



# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-119799-3**

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 300.0 R2.1 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10		1.0	0.71	mg/L			04/19/21 21:43	1
Fluoride	0.053	J	0.10	0.026	mg/L			04/19/21 21:43	1
Sulfate	96		1.0	0.76	mg/L			04/19/21 21:43	1

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:13	1
Barium	0.037		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:13	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:13	1
Boron	0.59		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:13	1
Calcium	19		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:13	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:13	1
Cobalt	0.0018	J B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:13	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:13	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:13	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 19:13	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:13	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:13	1

**Method: EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			04/14/21 18:29	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.07				SU			04/07/21 15:25	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: SGWA-25**

**Lab Sample ID: 180-119799-4**

Date Collected: 04/07/21 14:09

Matrix: Water

Date Received: 04/09/21 09:30

### Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.3		1.0	0.71	mg/L			04/19/21 12:33	1
Fluoride	0.054	J	0.10	0.026	mg/L			04/19/21 12:33	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 12:33	1

### Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:17	1
Barium	0.026		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:17	1
Boron	<0.039		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:17	1
Calcium	9.5		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:17	1
Chromium	0.0024		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:17	1
Cobalt	0.0013	J B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:17	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:17	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 19:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:17	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:17	1

### Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:00	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	95		10	10	mg/L			04/14/21 18:29	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.12				SU			04/07/21 14:09	1

# Client Sample Results

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

Job ID: 180-119437-1

**Client Sample ID: FB-2 (AP-1)**

**Lab Sample ID: 180-119799-5**

Date Collected: 04/07/21 13:45

Matrix: Water

Date Received: 04/09/21 09:30

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 22:32	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 22:32	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 22:32	1

## Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:20	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:20	1
Boron	<0.039		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 13:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:20	1
Calcium	<0.13		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:20	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:20	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 19:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:20	1

## Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:01	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/21 18:29	1

# QC Sample Results

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

Job ID: 180-119437-1

## Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

**Lab Sample ID: MB 180-352645/36**  
**Matrix: Water**  
**Analysis Batch: 352645**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 18:34	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 18:34	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 18:34	1

**Lab Sample ID: LCS 180-352645/35**  
**Matrix: Water**  
**Analysis Batch: 352645**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.53		mg/L		101	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

**Lab Sample ID: 180-119437-2 MS**  
**Matrix: Water**  
**Analysis Batch: 352645**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.6		50.0	52.3		mg/L		101	90 - 110
Fluoride	0.048	J	2.50	2.66		mg/L		105	90 - 110
Sulfate	<0.76		50.0	50.5		mg/L		101	90 - 110

**Lab Sample ID: 180-119437-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 352645**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.6		50.0	53.5		mg/L		104	90 - 110	2	20
Fluoride	0.048	J	2.50	2.73		mg/L		107	90 - 110	3	20
Sulfate	<0.76		50.0	51.8		mg/L		104	90 - 110	3	20

**Lab Sample ID: MB 180-352646/6**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 08:38	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 08:38	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 08:38	1

**Lab Sample ID: LCS 180-352646/5**  
**Matrix: Water**  
**Analysis Batch: 352646**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.1		mg/L		92	90 - 110
Fluoride	2.50	2.39		mg/L		96	90 - 110
Sulfate	50.0	45.2		mg/L		90	90 - 110

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119375-A-6 MS**  
**Matrix: Water**  
**Analysis Batch: 352646**

**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	36		50.0	83.4		mg/L		95	90 - 110
Fluoride	0.081	J	2.50	2.52		mg/L		98	90 - 110
Sulfate	18		50.0	66.4		mg/L		96	90 - 110

**Lab Sample ID: 180-119375-A-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 352646**

**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	36		50.0	85.5		mg/L		99	90 - 110	3	20
Fluoride	0.081	J	2.50	2.65		mg/L		103	90 - 110	5	20
Sulfate	18		50.0	69.0		mg/L		102	90 - 110	4	20

**Lab Sample ID: MB 180-352844/36**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/14/21 00:56	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 00:56	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 00:56	1

**Lab Sample ID: MB 180-352844/6**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 08:36	1

**Lab Sample ID: LCS 180-352844/35**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.7		mg/L		95	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

**Lab Sample ID: LCS 180-352844/5**  
**Matrix: Water**  
**Analysis Batch: 352844**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	48.8		mg/L		98	90 - 110

# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119475-A-3 MS**  
**Matrix: Water**  
**Analysis Batch: 352844**

**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	<0.76		50.0	50.4		mg/L		101	90 - 110

**Lab Sample ID: 180-119475-A-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 352844**

**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	<0.76		50.0	46.4		mg/L		93	90 - 110	8	20

**Lab Sample ID: 180-119479-1 MS**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: SGWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.4		50.0	53.2		mg/L		102	90 - 110
Fluoride	0.14		2.50	2.74		mg/L		104	90 - 110
Sulfate	<0.76		50.0	51.6		mg/L		103	90 - 110

**Lab Sample ID: 180-119479-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 352844**

**Client Sample ID: SGWC-6**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.4		50.0	52.2		mg/L		100	90 - 110	2	20
Fluoride	0.14		2.50	2.70		mg/L		102	90 - 110	2	20
Sulfate	<0.76		50.0	50.0		mg/L		100	90 - 110	3	20

**Lab Sample ID: MB 180-353149/6**  
**Matrix: Water**  
**Analysis Batch: 353149**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			04/15/21 08:56	1

**Lab Sample ID: LCS 180-353149/5**  
**Matrix: Water**  
**Analysis Batch: 353149**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	46.3		mg/L		93	90 - 110

**Lab Sample ID: 180-119973-I-2 MS**  
**Matrix: Water**  
**Analysis Batch: 353149**

**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	29		50.0	74.4		mg/L		90	90 - 110

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119973-I-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 353149**

**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	29		50.0	74.3		mg/L		90	90 - 110	0	20

**Lab Sample ID: MB 180-353596/6**  
**Matrix: Water**  
**Analysis Batch: 353596**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:04	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:04	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:04	1

**Lab Sample ID: LCS 180-353596/5**  
**Matrix: Water**  
**Analysis Batch: 353596**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

**Lab Sample ID: 180-119799-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353596**

**Client Sample ID: SGWC-11**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.8		50.0	58.8		mg/L		100	90 - 110
Fluoride	<0.026	F1	2.50	2.61		mg/L		105	90 - 110
Sulfate	1.3		50.0	50.6		mg/L		99	90 - 110

**Lab Sample ID: 180-119799-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353596**

**Client Sample ID: SGWC-11**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.8		50.0	62.7		mg/L		108	90 - 110	6	20
Fluoride	<0.026	F1	2.50	2.82	F1	mg/L		113	90 - 110	8	20
Sulfate	1.3		50.0	54.1		mg/L		105	90 - 110	7	20

**Lab Sample ID: MB 180-353597/6**  
**Matrix: Water**  
**Analysis Batch: 353597**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:09	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:09	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:09	1



# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: LCS 180-353597/5**  
**Matrix: Water**  
**Analysis Batch: 353597**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.8		mg/L		94	90 - 110
Fluoride	2.50	2.61		mg/L		104	90 - 110
Sulfate	50.0	46.2		mg/L		92	90 - 110

**Lab Sample ID: 180-119799-4 MS**  
**Matrix: Water**  
**Analysis Batch: 353597**

**Client Sample ID: SGWA-25**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.3		50.0	51.3		mg/L		98	90 - 110
Fluoride	0.054	J	2.50	2.34		mg/L		91	90 - 110
Sulfate	<0.76		50.0	46.9		mg/L		94	90 - 110

**Lab Sample ID: 180-119799-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 353597**

**Client Sample ID: SGWA-25**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.3		50.0	50.2		mg/L		96	90 - 110	2	20
Fluoride	0.054	J	2.50	2.36		mg/L		92	90 - 110	1	20
Sulfate	<0.76		50.0	46.8		mg/L		94	90 - 110	0	20

**Lab Sample ID: MB 180-353748/6**  
**Matrix: Water**  
**Analysis Batch: 353748**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/20/21 08:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/20/21 08:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/20/21 08:36	1

**Lab Sample ID: LCS 180-353748/5**  
**Matrix: Water**  
**Analysis Batch: 353748**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.6		mg/L		95	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	48.0		mg/L		96	90 - 110

**Lab Sample ID: 180-119924-C-14 MS**  
**Matrix: Water**  
**Analysis Batch: 353748**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.8		50.0	53.4		mg/L		99	90 - 110
Fluoride	<0.026		2.50	2.72		mg/L		109	90 - 110
Sulfate	1.6		50.0	51.6		mg/L		100	90 - 110

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119924-C-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 353748**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.8		50.0	52.4		mg/L		97	90 - 110	2	20
Fluoride	<0.026		2.50	2.73		mg/L		109	90 - 110	0	20
Sulfate	1.6		50.0	51.0		mg/L		99	90 - 110	1	20

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-353040/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353040**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/14/21 12:00	04/20/21 09:49	1
Barium	<0.0016		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 09:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 09:49	1
Boron	0.0418	J	0.080	0.039	mg/L		04/14/21 12:00	04/20/21 09:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/14/21 12:00	04/20/21 09:49	1
Calcium	<0.13		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 09:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 09:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/14/21 12:00	04/20/21 09:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/14/21 12:00	04/20/21 09:49	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/14/21 12:00	04/20/21 09:49	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/14/21 12:00	04/20/21 09:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/14/21 12:00	04/20/21 09:49	1
Thallium	0.000180	J	0.0010	0.00015	mg/L		04/14/21 12:00	04/20/21 09:49	1

**Lab Sample ID: LCS 180-353040/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353040**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	0.996		mg/L		100	80 - 120
Beryllium	0.500	0.508		mg/L		102	80 - 120
Boron	1.25	1.17		mg/L		94	80 - 120
Cadmium	0.500	0.494		mg/L		99	80 - 120
Calcium	25.0	27.9		mg/L		112	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.522		mg/L		104	80 - 120
Lead	0.500	0.503		mg/L		101	80 - 120
Lithium	0.500	0.500		mg/L		100	80 - 120
Molybdenum	0.500	0.500		mg/L		100	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119437-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: SGWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353040**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec.
Arsenic	<0.00031		1.00	1.01		mg/L		101	75 - 125	
Barium	0.047		1.00	1.02		mg/L		98	75 - 125	
Beryllium	0.00025	J	0.500	0.506		mg/L		101	75 - 125	
Boron	0.041	J B	1.25	1.16		mg/L		90	75 - 125	
Cadmium	<0.00022		0.500	0.485		mg/L		97	75 - 125	
Calcium	2.2		25.0	29.7		mg/L		110	75 - 125	
Chromium	0.0026		0.500	0.488		mg/L		97	75 - 125	
Cobalt	0.0013	J	0.500	0.508		mg/L		101	75 - 125	
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125	
Lithium	<0.0034		0.500	0.491		mg/L		98	75 - 125	
Molybdenum	<0.00061		0.500	0.484		mg/L		97	75 - 125	
Selenium	<0.0015		1.00	0.997		mg/L		100	75 - 125	
Thallium	0.00035	J B	1.00	1.05		mg/L		105	75 - 125	

**Lab Sample ID: 180-119437-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: SGWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353040**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	2	20
Barium	0.047		1.00	1.05		mg/L		100	75 - 125	2	20
Beryllium	0.00025	J	0.500	0.510		mg/L		102	75 - 125	1	20
Boron	0.041	J B	1.25	1.20		mg/L		92	75 - 125	3	20
Cadmium	<0.00022		0.500	0.495		mg/L		99	75 - 125	2	20
Calcium	2.2		25.0	29.8		mg/L		111	75 - 125	0	20
Chromium	0.0026		0.500	0.494		mg/L		98	75 - 125	1	20
Cobalt	0.0013	J	0.500	0.522		mg/L		104	75 - 125	3	20
Lead	<0.00013		0.500	0.502		mg/L		100	75 - 125	2	20
Lithium	<0.0034		0.500	0.496		mg/L		99	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.493		mg/L		99	75 - 125	2	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	1	20
Thallium	0.00035	J B	1.00	1.07		mg/L		106	75 - 125	1	20

**Lab Sample ID: MB 180-353251/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 12:21	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 12:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 12:21	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 12:21	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 12:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/15/21 14:53	04/20/21 12:21	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/15/21 14:53	04/20/21 12:21	1

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: MB 180-353251/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 12:21	1

**Lab Sample ID: LCS 180-353251/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.14		mg/L		91	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	28.3		mg/L		113	80 - 120
Chromium	0.500	0.504		mg/L		101	80 - 120
Cobalt	0.500	0.530		mg/L		106	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Lithium	0.500	0.503		mg/L		101	80 - 120
Molybdenum	0.500	0.503		mg/L		101	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120

**Lab Sample ID: 180-119479-1 MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: SGWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.00031		1.00	1.06		mg/L		106	75 - 125
Barium	0.12		1.00	1.13		mg/L		100	75 - 125
Beryllium	<0.00018		0.500	0.527		mg/L		105	75 - 125
Boron	<0.039		1.25	1.15		mg/L		92	75 - 125
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125
Calcium	11		25.0	39.2		mg/L		114	75 - 125
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.529		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.509		mg/L		102	75 - 125
Lithium	<0.0034		0.500	0.503		mg/L		101	75 - 125
Molybdenum	<0.00061		0.500	0.496		mg/L		99	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Thallium	0.00023	J	1.00	1.09		mg/L		109	75 - 125

**Lab Sample ID: 180-119479-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: SGWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	3	20
Barium	0.12		1.00	1.13		mg/L		101	75 - 125	1	20
Beryllium	<0.00018		0.500	0.519		mg/L		104	75 - 125	2	20

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119479-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: SGWC-6**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353251**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	<0.039		1.25	1.18		mg/L		95	75 - 125	3	20
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125	0	20
Calcium	11		25.0	39.1		mg/L		114	75 - 125	0	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	0	20
Cobalt	<0.00013		0.500	0.518		mg/L		104	75 - 125	2	20
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125	0	20
Lithium	<0.0034		0.500	0.499		mg/L		100	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.500		mg/L		100	75 - 125	1	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Thallium	0.00023	J	1.00	1.08		mg/L		108	75 - 125	1	20

**Lab Sample ID: MB 180-353427/1-A**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 19:36	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 19:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 19:36	1
Boron	0.0787	J ^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 19:36	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 19:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Lead	0.000177	J	0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:13	04/22/21 19:36	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:13	04/22/21 19:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Thallium	0.000472	J	0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 19:36	1

**Lab Sample ID: LCS 180-353427/2-A**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.507		mg/L		101	80 - 120
Cadmium	0.500	0.524		mg/L		105	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.509		mg/L		102	80 - 120
Lead	0.500	0.523		mg/L		105	80 - 120
Lithium	0.500	0.515		mg/L		103	80 - 120
Molybdenum	0.500	0.523		mg/L		105	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Thallium	1.00	1.12		mg/L		112	80 - 120

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119480-9 MS**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: SGWC-15**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec.
Arsenic	0.0012		1.00	1.02		mg/L		102	75 - 125	
Barium	0.028		1.00	1.06		mg/L		104	75 - 125	
Beryllium	0.00045	J	0.500	0.503		mg/L		101	75 - 125	
Boron	1.4	B	1.25	2.60		mg/L		97	75 - 125	
Cadmium	0.00027	J	0.500	0.521		mg/L		104	75 - 125	
Calcium	17		25.0	44.2		mg/L		110	75 - 125	
Chromium	0.034		0.500	0.548		mg/L		103	75 - 125	
Cobalt	0.26		0.500	0.763		mg/L		100	75 - 125	
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	
Lithium	<0.0034		0.500	0.500		mg/L		100	75 - 125	
Molybdenum	<0.00061		0.500	0.519		mg/L		104	75 - 125	
Selenium	<0.0015		1.00	1.06		mg/L		106	75 - 125	
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125	

**Lab Sample ID: 180-119480-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 354323**

**Client Sample ID: SGWC-15**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Arsenic	0.0012		1.00	0.993		mg/L		99	75 - 125	3	20
Barium	0.028		1.00	1.05		mg/L		103	75 - 125	1	20
Beryllium	0.00045	J	0.500	0.499		mg/L		100	75 - 125	1	20
Boron	1.4	B	1.25	2.59		mg/L		97	75 - 125	0	20
Cadmium	0.00027	J	0.500	0.512		mg/L		102	75 - 125	2	20
Calcium	17		25.0	43.7		mg/L		108	75 - 125	1	20
Chromium	0.034		0.500	0.541		mg/L		101	75 - 125	1	20
Cobalt	0.26		0.500	0.748		mg/L		97	75 - 125	2	20
Lead	<0.00013		0.500	0.506		mg/L		101	75 - 125	1	20
Lithium	<0.0034		0.500	0.498		mg/L		100	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.513		mg/L		103	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	2	20
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125	0	20

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	04/20/21 08:49	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:15	04/20/21 08:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	04/20/21 08:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	04/20/21 08:49	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:15	04/20/21 08:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:15	04/20/21 08:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:15	04/20/21 08:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	04/20/21 08:49	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/16/21 13:15	04/20/21 08:49	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/16/21 13:15	04/20/21 08:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	04/20/21 08:49	1

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:15	04/20/21 08:49	1

**Lab Sample ID: MB 180-353428/1-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:15	04/22/21 10:37	1

**Lab Sample ID: LCS 180-353428/2-A**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.967		mg/L		97	80 - 120
Barium	1.00	0.976		mg/L		98	80 - 120
Beryllium	0.500	0.507		mg/L		101	80 - 120
Cadmium	0.500	0.489		mg/L		98	80 - 120
Calcium	25.0	29.5		mg/L		118	80 - 120
Chromium	0.500	0.488		mg/L		98	80 - 120
Cobalt	0.500	0.486		mg/L		97	80 - 120
Lead	0.500	0.491		mg/L		98	80 - 120
Lithium	0.500	0.483		mg/L		97	80 - 120
Molybdenum	0.500	0.491		mg/L		98	80 - 120
Selenium	1.00	0.979		mg/L		98	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120

**Lab Sample ID: LCS 180-353428/2-A**  
**Matrix: Water**  
**Analysis Batch: 354281**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.30		mg/L		104	80 - 120

**Lab Sample ID: 180-119604-D-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.00031		1.00	0.982		mg/L		98	75 - 125
Barium	0.051		1.00	1.06		mg/L		101	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.490		mg/L		98	75 - 125
Calcium	16		25.0	46.1		mg/L		120	75 - 125
Chromium	0.0044		0.500	0.498		mg/L		99	75 - 125
Cobalt	0.00013	J	0.500	0.481		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.496		mg/L		99	75 - 125
Lithium	<0.0034		0.500	0.494		mg/L		99	75 - 125
Molybdenum	<0.00061		0.500	0.498		mg/L		100	75 - 125
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119604-D-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	<0.00015		1.00	1.02		mg/L		102	75 - 125

**Lab Sample ID: 180-119604-D-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 353952**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	<0.00031		1.00	0.988		mg/L		99	75 - 125	1	20
Barium	0.051		1.00	1.04		mg/L		99	75 - 125	2	20
Beryllium	<0.00018		0.500	0.499		mg/L		100	75 - 125	1	20
Cadmium	<0.00022		0.500	0.483		mg/L		97	75 - 125	2	20
Calcium	16		25.0	45.0		mg/L		116	75 - 125	2	20
Chromium	0.0044		0.500	0.484		mg/L		96	75 - 125	3	20
Cobalt	0.00013	J	0.500	0.484		mg/L		97	75 - 125	1	20
Lead	<0.00013		0.500	0.489		mg/L		98	75 - 125	1	20
Lithium	<0.0034		0.500	0.483		mg/L		97	75 - 125	2	20
Molybdenum	<0.00061		0.500	0.501		mg/L		100	75 - 125	1	20
Selenium	<0.0015		1.00	0.980		mg/L		98	75 - 125	2	20
Thallium	<0.00015		1.00	0.990		mg/L		99	75 - 125	3	20

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000651	J	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:43	1
Beryllium	0.000293	J	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cadmium	0.000388	J	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cobalt	0.000354	J	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lead	0.000385	J	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 17:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/20/21 17:54	04/23/21 17:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Thallium	0.000716	J	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:43	1

**Lab Sample ID: MB 180-353880/1-A**  
**Matrix: Water**  
**Analysis Batch: 354643**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/20/21 17:54	04/24/21 12:12	1

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.241		mg/L		96	80 - 120
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	28.4		mg/L		114	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Lithium	0.500	0.484		mg/L		97	80 - 120
Molybdenum	0.500	0.504		mg/L		101	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120

**Lab Sample ID: LCS 180-353880/2-A**  
**Matrix: Water**  
**Analysis Batch: 354643**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.28		mg/L		102	80 - 120

**Lab Sample ID: 180-119761-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	0.969		mg/L		97	75 - 125
Barium	0.014		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125
Calcium	7.1		25.0	34.9		mg/L		111	75 - 125
Chromium	0.0067		0.500	0.514		mg/L		101	75 - 125
Cobalt	0.00023	J B	0.500	0.492		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Lithium	<0.0034		0.500	0.490		mg/L		98	75 - 125
Molybdenum	<0.00061		0.500	0.501		mg/L		100	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125

**Lab Sample ID: 180-119761-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.014		1.00	1.05		mg/L		104	75 - 125	1	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: 180-119761-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 354448**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	1	20
Calcium	7.1		25.0	35.3		mg/L		113	75 - 125	1	20
Chromium	0.0067		0.500	0.520		mg/L		103	75 - 125	1	20
Cobalt	0.00023	J B	0.500	0.501		mg/L		100	75 - 125	2	20
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	1	20
Lithium	<0.0034		0.500	0.495		mg/L		99	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.511		mg/L		102	75 - 125	2	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	0	20

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: MB 180-353601/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:41	1

**Lab Sample ID: LCS 180-353601/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

**Lab Sample ID: 180-119437-2 MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125

**Lab Sample ID: 180-119437-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: SGWA-2**  
**Prep Type: Total/NA**  
**Prep Batch: 353601**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125	1	20

**Lab Sample ID: MB 180-353602/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:10	1

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# QC Sample Results

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

Job ID: 180-119437-1

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

**Lab Sample ID: LCS 180-353602/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**  
**%Rec. Limits**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00291		mg/L		116	80 - 120

**Lab Sample ID: 180-119475-B-8-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**  
**%Rec. Limits**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013	F1	0.00100	0.000382	F1	mg/L		38	75 - 125

**Lab Sample ID: 180-119475-B-8-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353602**  
**%Rec. RPD Limit**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013	F1	0.00100	0.000404	F1	mg/L		40	75 - 125	6	20

**Lab Sample ID: MB 180-353605/1-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**  
**Prepared Analyzed Dil Fac**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 11:56	1

**Lab Sample ID: LCS 180-353605/2-A**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**  
**%Rec. Limits**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00284		mg/L		114	80 - 120

**Lab Sample ID: 180-119535-E-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**  
**%Rec. Limits**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00113		mg/L		113	75 - 125

**Lab Sample ID: 180-119535-E-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 353846**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353605**  
**%Rec. RPD Limit**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00111		mg/L		111	75 - 125	2	20

**Lab Sample ID: MB 180-353957/1-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**Prepared Analyzed Dil Fac**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:43	1

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# QC Sample Results

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

Job ID: 180-119437-1

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: LCS 180-353957/2-A**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

**Lab Sample ID: 180-119812-E-1-E MS**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125

**Lab Sample ID: 180-119812-E-1-F MSD**  
**Matrix: Water**  
**Analysis Batch: 354187**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 353957**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	1	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-352133/2**  
**Matrix: Water**  
**Analysis Batch: 352133**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/06/21 23:07	1

**Lab Sample ID: LCS 180-352133/1**  
**Matrix: Water**  
**Analysis Batch: 352133**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	486	478		mg/L		98	80 - 120

**Lab Sample ID: 180-119389-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 352133**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	920		902		mg/L		2	10

**Lab Sample ID: MB 180-352134/2**  
**Matrix: Water**  
**Analysis Batch: 352134**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/06/21 23:26	1

# QC Sample Results

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

Job ID: 180-119437-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 180-352134/1**  
**Matrix: Water**  
**Analysis Batch: 352134**

**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	457	464		mg/L		102	80 - 120

**Lab Sample ID: 180-119437-7 DU**  
**Matrix: Water**  
**Analysis Batch: 352134**

**Client Sample ID: SGWC-20**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	350		345		mg/L		1	10

**Lab Sample ID: MB 180-352289/2**  
**Matrix: Water**  
**Analysis Batch: 352289**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/21 18:51	1

**Lab Sample ID: LCS 180-352289/1**  
**Matrix: Water**  
**Analysis Batch: 352289**

**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	457	488		mg/L		107	80 - 120

**Lab Sample ID: 180-119289-C-8 DU**  
**Matrix: Water**  
**Analysis Batch: 352289**

**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	280		287		mg/L		3	10

**Lab Sample ID: MB 180-352290/2**  
**Matrix: Water**  
**Analysis Batch: 352290**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/21 18:55	1

**Lab Sample ID: LCS 180-352290/1**  
**Matrix: Water**  
**Analysis Batch: 352290**

**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	486	454		mg/L		93	80 - 120

**Lab Sample ID: 180-119480-5 DU**  
**Matrix: Water**  
**Analysis Batch: 352290**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	64		62.0		mg/L		3	10

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# QC Sample Results

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

Job ID: 180-119437-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-352456/2**  
**Matrix: Water**  
**Analysis Batch: 352456**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:48	1

**Lab Sample ID: LCS 180-352456/1**  
**Matrix: Water**  
**Analysis Batch: 352456**

**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	486	472		mg/L		97	80 - 120

**Lab Sample ID: 180-119423-B-3 DU**  
**Matrix: Water**  
**Analysis Batch: 352456**

**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	370		376		mg/L		2	10

**Lab Sample ID: MB 180-352457/2**  
**Matrix: Water**  
**Analysis Batch: 352457**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

**Lab Sample ID: LCS 180-352457/1**  
**Matrix: Water**  
**Analysis Batch: 352457**

**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	486	442		mg/L		91	80 - 120

**Lab Sample ID: 180-119475-A-14 DU**  
**Matrix: Water**  
**Analysis Batch: 352457**

**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	62		61.0		mg/L		0	10

**Lab Sample ID: MB 180-352947/2**  
**Matrix: Water**  
**Analysis Batch: 352947**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

**Lab Sample ID: LCS 180-352947/1**  
**Matrix: Water**  
**Analysis Batch: 352947**

**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	457	432		mg/L		95	80 - 120

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# QC Sample Results

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

Job ID: 180-119437-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: 180-119701-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 352947**

**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	1300		1390		mg/L		3	10

**Lab Sample ID: MB 180-353098/2**  
**Matrix: Water**  
**Analysis Batch: 353098**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/21 18:29	1

**Lab Sample ID: LCS 180-353098/1**  
**Matrix: Water**  
**Analysis Batch: 353098**

**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	486	446		mg/L		92	80 - 120

**Lab Sample ID: 180-119707-A-5 DU**  
**Matrix: Water**  
**Analysis Batch: 353098**

**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	470		451		mg/L		4	10

**Lab Sample ID: 180-119801-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 353098**

**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	110		103		mg/L		5	10

# QC Association Summary

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

Job ID: 180-119437-1

## HPLC/IC

### Analysis Batch: 352645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-119437-2	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-119437-5	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-119437-5	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-119437-6	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-119437-6	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-119437-7	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-119437-7	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-119437-8	SGWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-119437-9	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-119437-11	EB_1(AP-1)	Total/NA	Water	EPA 300.0 R2.1	
180-119437-12	FB_1(AP-1)	Total/NA	Water	EPA 300.0 R2.1	
180-119437-13	DUP_1(AP-1)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352645/36	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352645/35	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119437-2 MS	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-119437-2 MSD	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 352646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-119480-2	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-119480-3	SGWA-5	Total/NA	Water	EPA 300.0 R2.1	
180-119480-4	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119480-5	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-119480-9	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-119480-10	SGWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-119480-11	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352646/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352646/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 352844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-119479-2	SGWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-119479-3	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-119479-4	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-119479-5	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	EPA 300.0 R2.1	
180-119479-7	EB-2 (AP-1)	Total/NA	Water	EPA 300.0 R2.1	
180-119480-4	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119480-9	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352844/36	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352844/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352844/35	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352844/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119475-A-3 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119475-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	
180-119479-1 MS	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## HPLC/IC (Continued)

### Analysis Batch: 352844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1 MSD	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-5	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353149/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353149/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119973-I-2 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119973-I-2 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119799-1	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353596/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353596/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119799-1 MS	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-119799-1 MSD	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119799-2	SGWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-119799-3	SGWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-119799-4	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
180-119799-5	FB-2 (AP-1)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353597/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353597/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119799-4 MS	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
180-119799-4 MSD	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 353748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353748/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353748/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119924-C-14 MS	Matrix Spike	Dissolved	Water	EPA 300.0 R2.1	
180-119924-C-14 MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 353040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total Recoverable	Water	3005A	
180-119437-2	SGWA-2	Total Recoverable	Water	3005A	
180-119437-5	SGWC-18	Total Recoverable	Water	3005A	
180-119437-6	SGWC-19	Total Recoverable	Water	3005A	
180-119437-7	SGWC-20	Total Recoverable	Water	3005A	
180-119437-8	SGWC-21	Total Recoverable	Water	3005A	
180-119437-9	SGWA-24	Total Recoverable	Water	3005A	
180-119437-11	EB_1(AP-1)	Total Recoverable	Water	3005A	
180-119437-12	FB_1(AP-1)	Total Recoverable	Water	3005A	
180-119437-13	DUP_1(AP-1)	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## Metals (Continued)

### Prep Batch: 353040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-353040/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353040/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119437-1 MS	SGWA-1	Total Recoverable	Water	3005A	
180-119437-1 MSD	SGWA-1	Total Recoverable	Water	3005A	

### Prep Batch: 353251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total Recoverable	Water	3005A	
180-119479-2	SGWC-7	Total Recoverable	Water	3005A	
180-119479-3	SGWC-8	Total Recoverable	Water	3005A	
180-119479-4	SGWC-16	Total Recoverable	Water	3005A	
180-119479-5	SGWC-17	Total Recoverable	Water	3005A	
180-119479-6	DUP-2 (AP-1)	Total Recoverable	Water	3005A	
180-119479-7	EB-2 (AP-1)	Total Recoverable	Water	3005A	
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119479-1 MS	SGWC-6	Total Recoverable	Water	3005A	
180-119479-1 MSD	SGWC-6	Total Recoverable	Water	3005A	

### Prep Batch: 353427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total Recoverable	Water	3005A	
180-119480-2	SGWA-4	Total Recoverable	Water	3005A	
180-119480-3	SGWA-5	Total Recoverable	Water	3005A	
180-119480-4	SGWC-9	Total Recoverable	Water	3005A	
180-119480-5	SGWC-10	Total Recoverable	Water	3005A	
180-119480-9	SGWC-15	Total Recoverable	Water	3005A	
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119480-9 MS	SGWC-15	Total Recoverable	Water	3005A	
180-119480-9 MSD	SGWC-15	Total Recoverable	Water	3005A	

### Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-10	SGWC-22	Total Recoverable	Water	3005A	
180-119480-11	SGWC-23	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-D-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119604-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 353601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	7470A	
180-119437-2	SGWA-2	Total/NA	Water	7470A	
180-119437-5	SGWC-18	Total/NA	Water	7470A	
180-119437-6	SGWC-19	Total/NA	Water	7470A	
180-119437-7	SGWC-20	Total/NA	Water	7470A	
180-119437-8	SGWC-21	Total/NA	Water	7470A	
180-119437-9	SGWA-24	Total/NA	Water	7470A	
180-119437-11	EB_1(AP-1)	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## Metals (Continued)

### Prep Batch: 353601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-12	FB_1(AP-1)	Total/NA	Water	7470A	
180-119437-13	DUP_1(AP-1)	Total/NA	Water	7470A	
MB 180-353601/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119437-2 MS	SGWA-2	Total/NA	Water	7470A	
180-119437-2 MSD	SGWA-2	Total/NA	Water	7470A	

### Prep Batch: 353602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total/NA	Water	7470A	
180-119479-2	SGWC-7	Total/NA	Water	7470A	
180-119479-3	SGWC-8	Total/NA	Water	7470A	
180-119479-4	SGWC-16	Total/NA	Water	7470A	
180-119479-5	SGWC-17	Total/NA	Water	7470A	
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	7470A	
180-119479-7	EB-2 (AP-1)	Total/NA	Water	7470A	
MB 180-353602/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 353605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total/NA	Water	7470A	
180-119480-2	SGWA-4	Total/NA	Water	7470A	
180-119480-3	SGWA-5	Total/NA	Water	7470A	
180-119480-4	SGWC-9	Total/NA	Water	7470A	
180-119480-5	SGWC-10	Total/NA	Water	7470A	
180-119480-9	SGWC-15	Total/NA	Water	7470A	
180-119480-10	SGWC-22	Total/NA	Water	7470A	
180-119480-11	SGWC-23	Total/NA	Water	7470A	
MB 180-353605/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 353846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	EPA 7470A	353601
180-119437-2	SGWA-2	Total/NA	Water	EPA 7470A	353601
180-119437-5	SGWC-18	Total/NA	Water	EPA 7470A	353601
180-119437-6	SGWC-19	Total/NA	Water	EPA 7470A	353601
180-119437-7	SGWC-20	Total/NA	Water	EPA 7470A	353601
180-119437-8	SGWC-21	Total/NA	Water	EPA 7470A	353601
180-119437-9	SGWA-24	Total/NA	Water	EPA 7470A	353601
180-119437-11	EB_1(AP-1)	Total/NA	Water	EPA 7470A	353601
180-119437-12	FB_1(AP-1)	Total/NA	Water	EPA 7470A	353601
180-119437-13	DUP_1(AP-1)	Total/NA	Water	EPA 7470A	353601
180-119479-1	SGWC-6	Total/NA	Water	EPA 7470A	353602
180-119479-2	SGWC-7	Total/NA	Water	EPA 7470A	353602
180-119479-3	SGWC-8	Total/NA	Water	EPA 7470A	353602

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## Metals (Continued)

### Analysis Batch: 353846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-4	SGWC-16	Total/NA	Water	EPA 7470A	353602
180-119479-5	SGWC-17	Total/NA	Water	EPA 7470A	353602
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	EPA 7470A	353602
180-119479-7	EB-2 (AP-1)	Total/NA	Water	EPA 7470A	353602
180-119480-1	SGWA-3	Total/NA	Water	EPA 7470A	353605
180-119480-2	SGWA-4	Total/NA	Water	EPA 7470A	353605
180-119480-3	SGWA-5	Total/NA	Water	EPA 7470A	353605
180-119480-4	SGWC-9	Total/NA	Water	EPA 7470A	353605
180-119480-5	SGWC-10	Total/NA	Water	EPA 7470A	353605
180-119480-9	SGWC-15	Total/NA	Water	EPA 7470A	353605
180-119480-10	SGWC-22	Total/NA	Water	EPA 7470A	353605
180-119480-11	SGWC-23	Total/NA	Water	EPA 7470A	353605
MB 180-353601/1-A	Method Blank	Total/NA	Water	EPA 7470A	353601
MB 180-353602/1-A	Method Blank	Total/NA	Water	EPA 7470A	353602
MB 180-353605/1-A	Method Blank	Total/NA	Water	EPA 7470A	353605
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353601
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353602
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353605
180-119437-2 MS	SGWA-2	Total/NA	Water	EPA 7470A	353601
180-119437-2 MSD	SGWA-2	Total/NA	Water	EPA 7470A	353601
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353602
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353602
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353605
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353605

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total Recoverable	Water	3005A	
180-119799-1	SGWC-11	Total Recoverable	Water	3005A	
180-119799-2	SGWC-12	Total Recoverable	Water	3005A	
180-119799-3	SGWC-13	Total Recoverable	Water	3005A	
180-119799-4	SGWA-25	Total Recoverable	Water	3005A	
180-119799-5	FB-2 (AP-1)	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total Recoverable	Water	EPA 6020B	353040
180-119437-2	SGWA-2	Total Recoverable	Water	EPA 6020B	353040
180-119437-5	SGWC-18	Total Recoverable	Water	EPA 6020B	353040
180-119437-6	SGWC-19	Total Recoverable	Water	EPA 6020B	353040
180-119437-7	SGWC-20	Total Recoverable	Water	EPA 6020B	353040
180-119437-8	SGWC-21	Total Recoverable	Water	EPA 6020B	353040
180-119437-9	SGWA-24	Total Recoverable	Water	EPA 6020B	353040
180-119437-11	EB_1(AP-1)	Total Recoverable	Water	EPA 6020B	353040
180-119437-12	FB_1(AP-1)	Total Recoverable	Water	EPA 6020B	353040
180-119437-13	DUP_1(AP-1)	Total Recoverable	Water	EPA 6020B	353040
180-119479-1	SGWC-6	Total Recoverable	Water	EPA 6020B	353251

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

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

Job ID: 180-119437-1

## Metals (Continued)

### Analysis Batch: 353919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-2	SGWC-7	Total Recoverable	Water	EPA 6020B	353251
180-119479-3	SGWC-8	Total Recoverable	Water	EPA 6020B	353251
180-119479-4	SGWC-16	Total Recoverable	Water	EPA 6020B	353251
180-119479-5	SGWC-17	Total Recoverable	Water	EPA 6020B	353251
180-119479-6	DUP-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353251
180-119479-7	EB-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353251
MB 180-353040/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353040
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353040/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353040
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
180-119437-1 MS	SGWA-1	Total Recoverable	Water	EPA 6020B	353040
180-119437-1 MSD	SGWA-1	Total Recoverable	Water	EPA 6020B	353040
180-119479-1 MS	SGWC-6	Total Recoverable	Water	EPA 6020B	353251
180-119479-1 MSD	SGWC-6	Total Recoverable	Water	EPA 6020B	353251

### Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-10	SGWC-22	Total Recoverable	Water	EPA 6020B	353428
180-119480-11	SGWC-23	Total Recoverable	Water	EPA 6020B	353428
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
180-119604-D-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353428
180-119604-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353428

### Prep Batch: 353957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	7470A	
180-119799-1	SGWC-11	Total/NA	Water	7470A	
180-119799-2	SGWC-12	Total/NA	Water	7470A	
180-119799-3	SGWC-13	Total/NA	Water	7470A	
180-119799-4	SGWA-25	Total/NA	Water	7470A	
180-119799-5	FB-2 (AP-1)	Total/NA	Water	7470A	
MB 180-353957/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 354187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	EPA 7470A	353957
180-119799-1	SGWC-11	Total/NA	Water	EPA 7470A	353957
180-119799-2	SGWC-12	Total/NA	Water	EPA 7470A	353957
180-119799-3	SGWC-13	Total/NA	Water	EPA 7470A	353957
180-119799-4	SGWA-25	Total/NA	Water	EPA 7470A	353957
180-119799-5	FB-2 (AP-1)	Total/NA	Water	EPA 7470A	353957
MB 180-353957/1-A	Method Blank	Total/NA	Water	EPA 7470A	353957
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353957

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# QC Association Summary

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

Job ID: 180-119437-1

## Metals

### Analysis Batch: 354281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-10	SGWC-22	Total Recoverable	Water	EPA 6020B	353428
180-119480-11	SGWC-23	Total Recoverable	Water	EPA 6020B	353428
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428

### Analysis Batch: 354323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total Recoverable	Water	EPA 6020B	353427
180-119480-2	SGWA-4	Total Recoverable	Water	EPA 6020B	353427
180-119480-3	SGWA-5	Total Recoverable	Water	EPA 6020B	353427
180-119480-4	SGWC-9	Total Recoverable	Water	EPA 6020B	353427
180-119480-5	SGWC-10	Total Recoverable	Water	EPA 6020B	353427
180-119480-9	SGWC-15	Total Recoverable	Water	EPA 6020B	353427
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353427
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353427
180-119480-9 MS	SGWC-15	Total Recoverable	Water	EPA 6020B	353427
180-119480-9 MSD	SGWC-15	Total Recoverable	Water	EPA 6020B	353427

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total Recoverable	Water	EPA 6020B	353880
180-119799-1	SGWC-11	Total Recoverable	Water	EPA 6020B	353880
180-119799-2	SGWC-12	Total Recoverable	Water	EPA 6020B	353880
180-119799-3	SGWC-13	Total Recoverable	Water	EPA 6020B	353880
180-119799-4	SGWA-25	Total Recoverable	Water	EPA 6020B	353880
180-119799-5	FB-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

### Analysis Batch: 354643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total Recoverable	Water	EPA 6020B	353880
180-119799-1	SGWC-11	Total Recoverable	Water	EPA 6020B	353880
180-119799-2	SGWC-12	Total Recoverable	Water	EPA 6020B	353880
180-119799-3	SGWC-13	Total Recoverable	Water	EPA 6020B	353880
180-119799-4	SGWA-25	Total Recoverable	Water	EPA 6020B	353880
180-119799-5	FB-2 (AP-1)	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880

## General Chemistry

### Analysis Batch: 352133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	SM 2540C	
180-119437-2	SGWA-2	Total/NA	Water	SM 2540C	
180-119437-5	SGWC-18	Total/NA	Water	SM 2540C	
180-119437-6	SGWC-19	Total/NA	Water	SM 2540C	
MB 180-352133/2	Method Blank	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## General Chemistry (Continued)

### Analysis Batch: 352133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-352133/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119389-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-7	SGWC-20	Total/NA	Water	SM 2540C	
180-119437-8	SGWC-21	Total/NA	Water	SM 2540C	
180-119437-9	SGWA-24	Total/NA	Water	SM 2540C	
180-119437-11	EB_1(AP-1)	Total/NA	Water	SM 2540C	
180-119437-12	FB_1(AP-1)	Total/NA	Water	SM 2540C	
180-119437-13	DUP_1(AP-1)	Total/NA	Water	SM 2540C	
MB 180-352134/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352134/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119437-7 DU	SGWC-20	Total/NA	Water	SM 2540C	

### Analysis Batch: 352289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total/NA	Water	SM 2540C	
180-119480-2	SGWA-4	Total/NA	Water	SM 2540C	
180-119480-3	SGWA-5	Total/NA	Water	SM 2540C	
180-119480-4	SGWC-9	Total/NA	Water	SM 2540C	
MB 180-352289/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352289/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119289-C-8 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-5	SGWC-10	Total/NA	Water	SM 2540C	
180-119480-9	SGWC-15	Total/NA	Water	SM 2540C	
180-119480-10	SGWC-22	Total/NA	Water	SM 2540C	
180-119480-11	SGWC-23	Total/NA	Water	SM 2540C	
MB 180-352290/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352290/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119480-5 DU	SGWC-10	Total/NA	Water	SM 2540C	

### Analysis Batch: 352456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-7	EB-2 (AP-1)	Total/NA	Water	SM 2540C	
MB 180-352456/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352456/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119423-B-3 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total/NA	Water	SM 2540C	
180-119479-2	SGWC-7	Total/NA	Water	SM 2540C	
180-119479-3	SGWC-8	Total/NA	Water	SM 2540C	
180-119479-4	SGWC-16	Total/NA	Water	SM 2540C	
180-119479-5	SGWC-17	Total/NA	Water	SM 2540C	
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	SM 2540C	
MB 180-352457/2	Method Blank	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## General Chemistry (Continued)

### Analysis Batch: 352457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-352457/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119475-A-14 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 352947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	SM 2540C	
MB 180-352947/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352947/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119701-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 353098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119799-1	SGWC-11	Total/NA	Water	SM 2540C	
180-119799-2	SGWC-12	Total/NA	Water	SM 2540C	
180-119799-3	SGWC-13	Total/NA	Water	SM 2540C	
180-119799-4	SGWA-25	Total/NA	Water	SM 2540C	
180-119799-5	FB-2 (AP-1)	Total/NA	Water	SM 2540C	
MB 180-353098/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-353098/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119707-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	
180-119801-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-1	SGWA-3	Total/NA	Water	Field Sampling	
180-119480-2	SGWA-4	Total/NA	Water	Field Sampling	
180-119480-3	SGWA-5	Total/NA	Water	Field Sampling	
180-119480-4	SGWC-9	Total/NA	Water	Field Sampling	
180-119480-5	SGWC-10	Total/NA	Water	Field Sampling	
180-119480-9	SGWC-15	Total/NA	Water	Field Sampling	
180-119480-10	SGWC-22	Total/NA	Water	Field Sampling	
180-119480-11	SGWC-23	Total/NA	Water	Field Sampling	

### Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	Field Sampling	
180-119437-2	SGWA-2	Total/NA	Water	Field Sampling	
180-119437-5	SGWC-18	Total/NA	Water	Field Sampling	
180-119437-6	SGWC-19	Total/NA	Water	Field Sampling	
180-119437-7	SGWC-20	Total/NA	Water	Field Sampling	
180-119437-8	SGWC-21	Total/NA	Water	Field Sampling	
180-119437-9	SGWA-24	Total/NA	Water	Field Sampling	
180-119479-1	SGWC-6	Total/NA	Water	Field Sampling	
180-119479-2	SGWC-7	Total/NA	Water	Field Sampling	
180-119479-3	SGWC-8	Total/NA	Water	Field Sampling	
180-119479-4	SGWC-16	Total/NA	Water	Field Sampling	
180-119479-5	SGWC-17	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

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

Job ID: 180-119437-1

## Field Service / Mobile Lab

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	Field Sampling	

### Analysis Batch: 352774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119799-1	SGWC-11	Total/NA	Water	Field Sampling	
180-119799-2	SGWC-12	Total/NA	Water	Field Sampling	
180-119799-3	SGWC-13	Total/NA	Water	Field Sampling	
180-119799-4	SGWA-25	Total/NA	Water	Field Sampling	



**Chain of Custody Record**

TestAmerica Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238-2907  
phone 412.963.7058 fax 412.963.2468

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact: Jojo Abraham, Southern Company, 241 Ralph McGill Blvd SE B10185, Atlanta, GA 30308, JAbraham@southernco.com  
Project Name: CCR - Plant Scherer Ash Pond  
Site: Georgia  
P O # 18019884

Project Manager: Dawn Prell, Tel/Fax: 248-536-5445  
Site Contact: Dawn Prell, Lab Contact: Shali Brown

COC No: 1 of 2 COCs  
Date: 3-30-21  
Carrier:   
Sampler:   
Use Only:   
Client:   
pling:   
3 No.:   
180-119437 Chain of Custody

Analysis Turnaround Time:  CALENDAR DAYS  WORKING DAYS  
TAT if different from Below: 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
SGWA-1	3/30/2021	12:49	G	GW	5
SGWA-2	3/30/2021	13:47	G	GW	5
SGWC-6	3/20/2021	11:40	G	GW	5
SGWC-7	3/30/2021	10:34	G	GW	5
SGWC-18	3/30/2021	11:00	G	GW	5
SGWC-19	3/30/2021	16:02	G	GW	5
SGWC-20	3/20/2021	12:50	G	GW	7
SGWC-21	3/30/2021	14:15	G	GW	5
SGWA-24	3/30/2021	11:43	G	GW	5
SGWA-25	3/30/2021	14:56	G	GW	5

Filtered Sample (Y/N)  Perform MS / MSD (Y/N)  Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti  Cl, Ti, SO4, TDS  Radium 226 + 228

Sample Specific Notes:	pH=	4	1	4
	pH= 5.28	X	X	X
	pH= 6.73	X	X	X
	pH= 6.45	X	X	X
	pH= 6.41	X	X	X
	pH= 4.82	X	X	X
	pH= 5.57	X	X	X
	pH= 4.32 and extra radium	X	X	X
	pH= 6.17	X	X	X
	pH= 6.27	X	X	X
	pH= 6.04	X	X	X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

Cooler Temp. (°C): Obs'd: \_\_\_\_\_ Corrd: \_\_\_\_\_ Therm ID No.: \_\_\_\_\_  
Received by: Elaine Cook  
Received by: [Signature]  
Received in Laboratory by: [Signature]

Date/Time: 3/31/21 18:14  
Date/Time: 3/31/21 18:00  
Date/Time: 3/31/21 10:00

Company: Coker Ass.  
Company: ETA  
Company: [Signature]





Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Date: 3-30-21  
 Carrier: \_\_\_\_\_  
 COC No: 2 of 2 COCs

Client Contact  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P.O # 18019884

Sample Identification	Sample Date	Sample Type (C=Comp, G=Grab)	Sample Time	Matrix	# of Cont.	Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Lab Contact: Shaili Brown	Site Contact: Dawn Prell
						<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS							
EB_1 (AP-1)	3/30/2021	G	17:03	Water	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>			X	X	X		
FB_1 (AP-1)	3/30/2021	G	11:35	Water	5	<input type="checkbox"/>	<input type="checkbox"/>			X	X	X		
DUP_1 (AP-1)	3/30/2021	G	----	Water	5	<input type="checkbox"/>	<input type="checkbox"/>			X	X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  
 Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC requirements & Comments:  
 Non-Hazardous  Training  Disposal by Lab  Archive for \_\_\_\_\_ Months

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by: <i>Ben</i>	3/31/21	Etia	Received by: <i>Ela</i>	3/31/21	Etia
Relinquished by: <i>Ben</i>	3/31/21	Etia	Received by: <i>Ela</i>	3/31/21	Etia

Custody Seal No.: \_\_\_\_\_  
 Relinquished by: *Ben* Date/Time: 3/31/21 8:14  
 Relinquished by: *Ben* Date/Time: 3/31/21 10:00  
 Relinquished by: *Ben* Date/Time: 3/31/21 10:00



Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
 Jojo Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
**Project Name:** CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O # 18019884

**Project Manager:** Dawn Prell  
 Tel/Fax: 248-536-5445

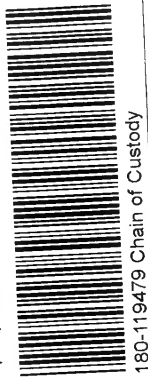
**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Dawn Prell  
**Lab Contact:** Shali Brown

**COC No:** 4.1.2021  
 1 of 2 COCs

**Sampler:**  
**For Lab Use Only:**  
 Walk-in Client:  
 Lab Sampling:  
 Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti	Cl, F, SO4, TDS	Radium 226 + 228	Other:
						Y	N	Y	N				
SGWC-6	4/1/2021	12:26	G	GW	5	X		X					
SGWC-7	4/1/2021	11:10	G	GW	5	X		X					
SGWC-8	4/1/2021	9:37	G	GW	5	X		X					
SGWC-16	4/1/2021	14:55	G	GW	5	X		X					
SGWC-17	4/1/2021	13:40	G	GW	5	X		X					
DUP-2 (AP-1)	4/1/2021	-----	G	GW	5	X		X					
EB-2 (AP-1)	4/1/2021	14:15	G	W	5	X		X					



**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

**Possible Hazard Identification:**  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

**Custody Seals Intact:**  Yes  No

**Relinquished by:** [Signature] **Date/Time:** 4/21/2021 10:45  
 Company: Ash Pond  
**Relinquished by:** [Signature] **Date/Time:** 4/21/2021 17:52  
 Company: Ash Pond  
**Relinquished by:** [Signature] **Date/Time:** 4/21/2021 18:00  
 Company: Ash Pond

**Received by:** [Signature] **Date/Time:** 4/21/2021 16:19  
 Company: Ash Pond  
**Received by:** [Signature] **Date/Time:** 4/21/2021 17:52  
 Company: Ash Pond  
**Received in Laboratory by:** [Signature] **Date/Time:** 4/21/2021 10:45  
 Company: Ash Pond

**Therm ID No.:** \_\_\_\_\_  
**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_  
**Corrid:** \_\_\_\_\_







**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 jAbraham@southernco.com  
**Project Name:** CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O #


**Project Manager:** Dawn Prell  
 Tel/Fax: 248-536-5445

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Dawn Prell  
**Lab Contact:** Shali Brown

**COC No.:** 4.6.2021  
 1 of 1 COCs

**Sampler:**  
**For Lab Use Only:**  
 Walk-in Client:  
 Lab Sampling:  
 Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		Perform MS / MSD (Y / N)		6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti	Cl, F, SO4, TDS	Radium 226 + 228	pH= 5.84	Sample Specific Notes:
						Y	N	Y	N					
SGWC-14	4/6/2021	10:49	G	GW	5									
 180-119762 Chain of Custody														

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_

**Possible Hazard Identification:**  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

**Relinquished by:** *Jan 20*  Yes  No  
**Relinquished by:** *Jan 20*  Yes  No  
**Relinquished by:** *Jan 20*  Yes  No

**Company:** *Golden*  
**Company:** *Golden*  
**Company:** *Golden*

**Date/Time:** 4/7/2021 10:00  
**Date/Time:** 4/7/2021 10:00  
**Date/Time:** 4/7/2021 10:00

**Received by:** *Elaine Cook*  
**Received by:** *Elaine Cook*  
**Received in Laboratory by:** *Elaine Cook*

**Company:** *Collier Now*  
**Company:** *Collier Now*  
**Company:** *Collier Now*

**Date/Time:** 4/7/21 8:05  
**Date/Time:** 4/7/21 8:05  
**Date/Time:** 4-9-21 9:30

**Therm ID No.:** \_\_\_\_\_  
**Corr'd:** \_\_\_\_\_  
**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019



TestAmerica Pittsburgh  
 301 Alpha Drive  
 RDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

# Chain of Custody Record

TestAmerica  
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O #

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445

Site Contact: Dawn Prell  
 Lab Contact: Shali Brown

COC No: \_\_\_\_\_  
 1 of 1 COCs

Sampler: \_\_\_\_\_  
 For Lab Use Only:  
 Walk-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SDG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)				Perform MS / MSD (Y/N)				Sample Specific Notes:
						Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Ci, F, SO4, TDS	Radium 226 + 228						
SGWC-11	4/7/2021	12:23	G	GW	5	X	X	X	X				pH= 5.18	
SGWC-12	4/7/2021	14:48	G	GW	5	X	X	X	X				pH= 6.44	
SGWC-13	4/7/2021	15:25	G	GW	5	X	X	X	X				pH= 6.07	
SGWA-25	4/7/2021	14:09	G	GW	5	X	X	X	X				pH= 6.12	
FB-2 (AP-1)	4/7/2021	13:45	G	W	5	X	X	X	X					



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_

Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

Custody Seal No.: \_\_\_\_\_ Yes  No

Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

Company: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Company: \_\_\_\_\_

Date/Time: 4-8-21 10:30  
 Date/Time: 4-8-21 16:00  
 Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_

Company: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Company: \_\_\_\_\_

Cooler Temp. (°C): \_\_\_\_\_ Obs'd: \_\_\_\_\_ Corrd: \_\_\_\_\_

Therm ID No.: \_\_\_\_\_  
 Date/Time: 4/8/21 10:36  
 Date/Time: 4/8/21 9:21 9:30  
 Date/Time: \_\_\_\_\_



GEORGE TAYLOR (678) 966-2991  
EUROFINS TESTING AMERICA, SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP D/T: 031MAR21  
ACTWGT: 55.65 LB  
CAD: 859116/CAFE3409

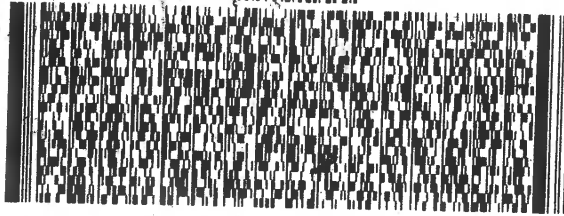
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068  
INV:  
PO:

REF:

DEPT:



D

3 of 5

MPS# 1516 9329 0858  
0263

Mstr# 1516 9329 0836

0201

**UH AGCA**

THU - 01 APR  
STANDARD OVERNIGHT

PA-US

Uncorrected temp  
Thermometer ID

21  
14 °C

CF 0 Initials J

PT-WI-SR-001 effective 11/8/18

ORIG  
GEOR  
EURO  
621  
SU  
NO



180-119437 Waybill

1 of 5

TRK# 1516 9329 0836  
0201

## MASTER ##

**UH AGCA**

STANDARD OVERNIGHT

Uncorrected temp  
Thermometer ID

21  
14 °C

CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18

15238  
PIT

2 of 5

MPS# 1516 9329 0847  
0263

Mstr# 1516 9329 0836

0201

**UH AGCA**

THU - 01 APR 4:30P  
STANDARD OVERNIGHT

Uncorrected temp  
Thermometer ID

23  
14 °C

CF 0 Initials J

PT-WI-SR-001 effective 11/8/18

15238  
PA-US  
PIT

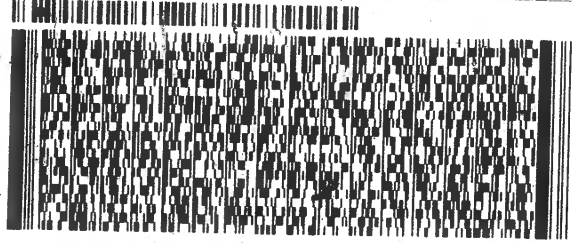


GEORGE TAYLOR (678) 966-2991  
EUROFINS TESTING AMERICA, A? SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP D/T: 031MAR21  
ACTWGT: 25.65 LB  
CAD: 859116/CAFE3409  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068 REF:  
INV: PO: DEPT:



3 of 5  
MPS# 0263 **1516 9329 0858**  
Mstr# 1516 9329 0836 0201  
THU - 01 APR  
STANDARD OVERNIGHT

**UH AGCA**

ORIG  
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EURO  
621  
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NO

Uncorrected temp Thermometer ID 21 °C  
CF 0 Initials J  
PT-WI-SR-001 effective 11/8/18



180-119437 Waybill

1 of 5  
TRK# 0201 **1516 9329 0836**  
## MASTER ##  
STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp Thermometer ID 21 °C  
CF 0 Initials Y  
PT-WI-SR-001 effective 11/8/18  
15238 PIT

2 of 5  
MPS# 0263 **1516 9329 0847**  
Mstr# 1516 9329 0836 0201  
THU - 01 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp Thermometer ID 23 °C  
CF 0 Initials J  
PT-WI-SR-001 effective 11/8/18  
15238 PIT

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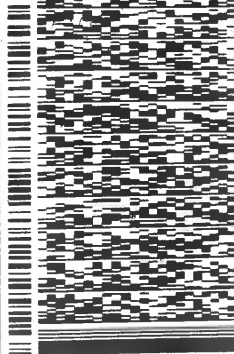
Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE REGIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068  
REF: GOLDER



FedEx  
Express  
**E**

**5 of 5**  
MPS# **1516 9329 2107**  
0263  
Mstr# 1516 9329 2060

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO AGCA**

Uncorrected temp  
Thermometer ID

15238  
PIT



CF   O   Initials           

PT-WI-SR-001 effective 11/8/18

3-434 RIT2 EXP 11/21

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE REGIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068  
REF: GOLDER



FedEx  
Express  
**E**

**2 of 5**  
MPS# **1516 9329 2070**  
63  
Mstr# 1516 9329 2060

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO AGCA**



Uncorrected temp  
Thermometer ID

CF   O   Initials           

PT-WI-SR-001 effective 11/8/18

15238  
PIT



180-119479 Waybill



**DR**

RT 639  
ST 12  
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2092  
04.03  
Test

FedEx Express

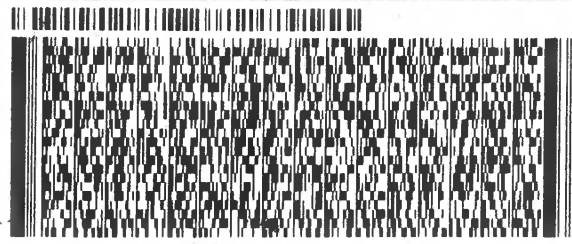
ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWTG: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068  
REF: **GOLDER**



4 of 5  
MPS# 1516 9329 2092  
0263  
Mstr# 1516 9329 2060  
0201

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

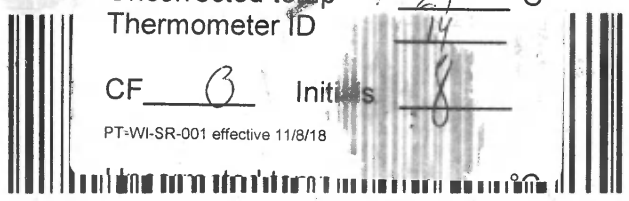
**XO AGCA**

**15238**  
**PA-US PIT**

Uncorrected temp : 29 C  
Thermometer ID : 14

CF B Initials 8

PT-WI-SR-001 effective 11/8/18



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eurotin

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erica

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

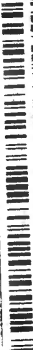
ORIGIN ID: LIYA (678) 966  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE RECEIVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 968-7068  
REF: GOLDER



**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

1 of 5  
TRK# 1516 9329 2060  
0201  
## MASTER ##

**XO AGCA**

15238  
PA-US  
PIT

Uncorrected temp  
Thermometer ID  
CF    Initials     
PT-WI-SR-001 effective 11/8/18

#159463-434 RIT2 EXP 11/21

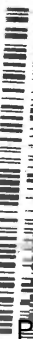
**FedEx**  
Environment Testing  
TestAmerica

eurotin

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

**SAMPLE RECEIVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 968-7068  
REF: GOLDER



**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

3 of 5  
MPS# 1516 9329 2081  
0263  
Mstr# 1516 9329 2060  
0201

**XO AGCA**

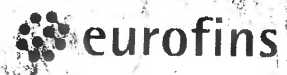
15238  
PA-US  
PIT

Uncorrected temp  
Thermometer ID  
CF    Initials     
PT-WI-SR-001 effective 11/8/18

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**Do Not Lift Using This Tag**



Environment  
TestAmerica

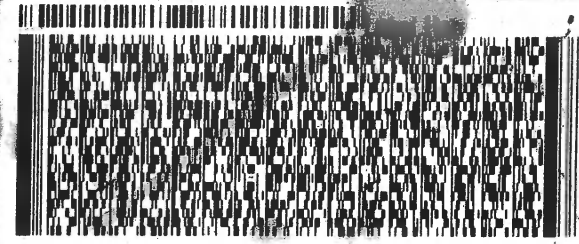
RT 297 16:30  
FZ

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 01APR21  
ACTWT: 59.30 LB  
CAD: 859116/CAFE3409  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7058  
REF: GOLDER



2 of 3  
MPS# 0263 1516 9329 1269  
Mstr# 1516 9329 1258

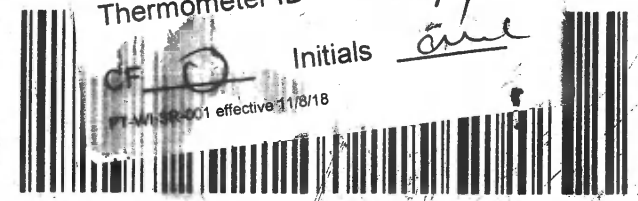
FRI - 02 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

15238  
us PIT

Uncorrected temp  
Thermometer ID

3.1 °C  
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Initials *and*





Do Not Lift Using This Tag



eu office



180-119480 Waybill

Part # 119480 RTZ EXP

ORIGIN ID: LPA (E) 966-9991  
GEORGE TAYLOR  
EURO INS T...  
6215 REGEN... PARKWAY NW  
SUITE 900  
DORCHES, GA 300  
UNITED STATES US

SHIP DATE: 01APR21  
WEIGHT: 3.30 LB  
REF: 85916/CAFE3403  
BILL ELEMENT

SAMPLE ...  
EURO INS ... AMERICA ...  
301 ALF...  
INDC PARK  
PITTSBURGH PA 15238

(412) 963-7068  
REF: GOLDR



FedEx Express



1 of 3  
TRK# 0201 1516 9329 1258  
## MASTER ##

FRI - 02 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

15238  
PA-US P11

Uncorrected temp  
Thermometer ID

CF Initials

PT-WI-SR-001 effective 11/8/18

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FedEx®



180-119762 Waybill

Part # 159469-434 RITZ EXP 11/21

eurofir

10:30 A  
2747  
04.08  
ment Testing  
erica

RT 97

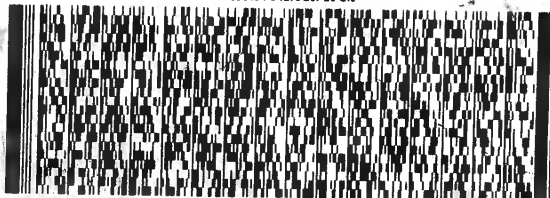
ORIGIN ID: LIY FZ 366-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA AT SC  
6215 REGENCY PARKWAY  
SUITE 900  
CROSSVILLE, TN 30071  
UNITED STATES, US

SHIP DATE: 07 APR 11  
ACT WGT: 56.25  
LOAD: 033116/0402

BILL RECIPIENT

SAMPLE RECIEVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 963-7058  
REF: GOLDER -- GPC



FedEx  
Express



THU - 08 APR 10:30A  
PRIORITY OVERNIGHT

TRK# 1516 9329 2747  
0201

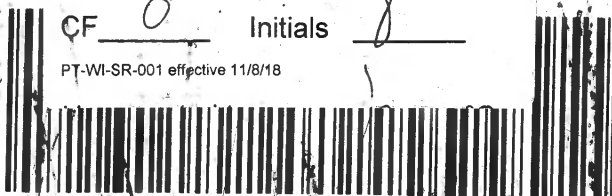
NA AGCA  
Uncorrected temp  
Thermometer ID

3.4 °C  
14

15238  
PIT

CF 0 Initials

PT-WI-SR-001 effective 11/8/18



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**NA AGCA**  
 15238 PIT PA-US  
 # MASTER #  
 TRK# 1516 9329 3044 [0201]  
 1 of 3  
 FRI - 09 APR 10:30A  
 PRIORITY OVERNIGHT

Uncorrected temp 3.5 °C  
 Thermometer ID 19  
 Initials J  
 CF G  
 PT-WI-SR-001 effective 11/8/18

**FedEx Express**

10 SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 (412) 963-7068  
 REF: GOLDBER - PLT SCHERER

ORIGIN ID: LIYA (678) 966-9991  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NM  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 08APR21  
 ACTWGT: 40.45 LB  
 CAD: 859116/CAFE3409

BILL RECIPIENT

**Environment Testing TestAmerica**

Part # 159469-434 RIT2 EXP 11/21

180-119799 Waybill

**NA AGCA**  
 15238 PIT PA-US  
 # MASTER #  
 TRK# 1516 9329 3066 [0263]  
 3 of 3  
 FRI - 09 APR 10:30A  
 PRIORITY OVERNIGHT

Uncorrected temp 3.2 °C  
 Thermometer ID 19  
 Initials J  
 CF G  
 PT-WI-SR-001 effective 11/8/18

**FedEx Express**

10 SAMPLE RECEIVING  
 EUROFINS TESTAMERICA PITTSBURGH  
 301 ALPHA DR.  
 RIDC PARK  
 PITTSBURGH PA 15238  
 (412) 963-7068  
 REF: GOLDBER - PLT SCHERER

ORIGIN ID: LIYA (678) 966-9991  
 GEORGE TAYLOR  
 EUROFINS TESTING AMERICA ATL SC  
 6215 REGENCY PARKWAY NM  
 SUITE 900  
 NORCROSS, GA 30071  
 UNITED STATES US

SHIP DATE: 08APR21  
 ACTWGT: 40.45 LB  
 CAD: 859116/CAFE3409

BILL RECIPIENT

**Environment Testing TestAmerica**

Part # 159469-434 RIT2 EXP 11/21

180-119799 Waybill

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Do Not Lift Using This Tap



Environment Testing  
TestAmerica

Part # 159469-434 RITZ-EXP 11/21 •

ORIGIN ID: LYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NM  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 08APR21  
ACTWGT: 40.45 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

10 SAMPLE RECEIVING

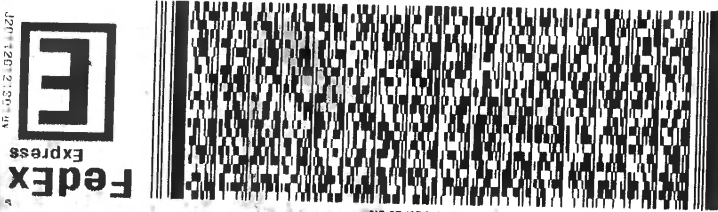
EUROFINS TESTAMERICA PITTSBURGH

301 ALPHA DR.

RIDC PARK

PITTSBURGH PA 15238

REF: GOLDR - PLT SCHERER  
(412) 963-7058



MPS# 1516 9329 3055  
Mstr# 1516 9329 3044  
2 of 3  
FRI - 09 APR 10:30A  
PRIORITY OVERNIGHT

NA AGCA

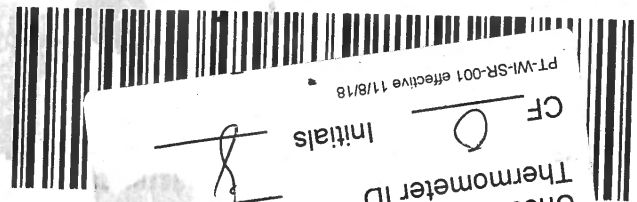
15238  
PIT 1-US °C

Uncorrected temp  
Thermometer ID

Initials

Handwritten initials: 3/14

PT-WI-SR-001 effective 11/8/18



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119437**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119479**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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?	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119480**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119480**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 2**

**Creator: Kovitch, Christina M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119762**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	False	
Is the Field Sampler's name present on COC?	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

**Login Number: 119799**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119437-2

Client Project/Site: Plant Scherer Ash Pond

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
5/12/2021 4:15:47 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

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

Job ID: 180-119437-2

**Job ID: 180-119437-2**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-119437-2**

### Comments

No additional comments.

### Receipt

The samples were received on 4/2/2021 10:00 AM, 4/3/2021 10:45 AM and 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 2.1° C, 2.2° C, 2.3° C, 2.9° C, 2.9° C, 3.1° C, 3.1° C, 3.1° C, 3.2° C, 3.4° C, 3.5° C, 3.7° C, 3.8° C and 3.8° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished to TAPITT.

At client request the following samples were cancelled: SGWC-6 (180-119437-3) and SGWC-7 (180-119437-4)

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SGWA-25 (180-119437-10). This sample was recollected

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWA-23 (180-119480-11). The container labels list a sample id of SGWC-23, while the COC lists SGWA-23. The client was contacted; the correct ID is SGWC-23.

The following sample were listed on the Chain of Custody (COC); however, no samples were received: The airbill is one out of three therefore we are missing two coolers. SGWA-3 (180-119480-1), SGWA-4 (180-119480-2), SGWA-5 (180-119480-3), SGWC-10 (180-119480-5), SGWC-11 (180-119480-6), SGWC-12 (180-119480-7), SGWC-13 (180-119480-8) and FB-2 (AP-1) (180-119480-12). These samples were recollected.

### RAD

Methods 903.0, 9315, RA-06-RC: Radium-226 prep batch 160-505212:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-5 (180-119480-3), SGWC-9 (180-119480-4), SGWC-10 (180-119480-5), SGWC-15 (180-119480-9), SGWC-22 (180-119480-10), SGWC-23 (180-119480-11), (LCS 160-505212/1-A), (LCSD 160-505212/2-A) and (MB 160-505212/20-A)

Methods 903.0, 9315: Radium-226 Batch 160-504911

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-1 (180-119437-1), SGWA-2 (180-119437-2), SGWC-18 (180-119437-5), SGWC-19 (180-119437-6), SGWC-20 (180-119437-7), SGWC-21 (180-119437-8), SGWA-24 (180-119437-9), EB\_1(AP-1) (180-119437-11), FB\_1(AP-1) (180-119437-12), DUP\_1(AP-1) (180-119437-13), (LCS 160-504911/1-A) and (MB 160-504911/23-A)

Method 9315: Radium-226 Batch 505091

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWC-6 (180-119479-1), SGWC-7 (180-119479-2), SGWC-8 (180-119479-3), SGWC-16 (180-119479-4), SGWC-17 (180-119479-5), DUP-2 (AP-1) (180-119479-6), EB-2 (AP-1) (180-119479-7), SGWA-3 (180-119480-1), SGWA-4 (180-119480-2), (LCS 160-505091/1-A), (LCSD 160-505091/2-A) and (MB 160-505091/23-A)

Methods 903.0, 9315: radium 226 batch 160-506105

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWC-14 (180-119762-1),

# Case Narrative

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

Job ID: 180-119437-2

## Job ID: 180-119437-2 (Continued)

### Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

SGWC-11 (180-119799-1), SGWC-12 (180-119799-2), SGWC-13 (180-119799-3), SGWA-25 (180-119799-4), FB-2 (AP-1) (180-119799-5), (LCS 160-506105/1-A), (LCSD 160-506105/2-A) and (MB 160-506105/23-A)

Methods 904.0, 9320: 904/9320 prep batch 504921

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-1 (180-119437-1), SGWA-2 (180-119437-2), SGWC-18 (180-119437-5), SGWC-19 (180-119437-6), SGWC-20 (180-119437-7), SGWC-21 (180-119437-8), SGWA-24 (180-119437-9), EB\_1(AP-1) (180-119437-11), FB\_1(AP-1) (180-119437-12), DUP\_1(AP-1) (180-119437-13), (LCS 160-504921/1-A) and (MB 160-504921/23-A)

Method 9320: Radium 228 prep batch 160-505189

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWC-6 (180-119479-1), SGWC-7 (180-119479-2), SGWC-8 (180-119479-3), SGWC-16 (180-119479-4), SGWC-17 (180-119479-5), DUP-2 (AP-1) (180-119479-6), EB-2 (AP-1) (180-119479-7), SGWA-3 (180-119480-1), SGWA-4 (180-119480-2), (LCS 160-505189/1-A), (LCSD 160-505189/2-A) and (MB 160-505189/23-A)

Methods 904.0, 9320, RA-06-RC: Radium 228 prep batch 160-505213

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWA-5 (180-119480-3), SGWC-9 (180-119480-4), SGWC-10 (180-119480-5), SGWC-15 (180-119480-9), SGWC-22 (180-119480-10), SGWC-23 (180-119480-11), (LCS 160-505213/1-A), (LCSD 160-505213/2-A) and (MB 160-505213/20-A)

Methods 904.0, 9320: Radium-228 prep batch 160-506111:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. SGWC-14 (180-119762-1), SGWC-11 (180-119799-1), SGWC-12 (180-119799-2), SGWC-13 (180-119799-3), SGWA-25 (180-119799-4), FB-2 (AP-1) (180-119799-5), (LCS 160-506111/1-A), (LCSD 160-506111/2-A) and (MB 160-506111/23-A)

Method PrecSep\_0: Radium 228 Prep Batch 160-505189:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWC-6 (180-119479-1), SGWC-7 (180-119479-2), SGWC-8 (180-119479-3), SGWC-16 (180-119479-4), SGWC-17 (180-119479-5), DUP-2 (AP-1) (180-119479-6), EB-2 (AP-1) (180-119479-7), SGWA-3 (180-119480-1) and SGWA-4 (180-119480-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep\_0: Radium 228 Prep Batch 160-505213:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWA-5 (180-119480-3), SGWC-9 (180-119480-4), SGWC-10 (180-119480-5), SGWC-15 (180-119480-9), SGWC-22 (180-119480-10) and SGWC-23 (180-119480-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep\_0: Radium 228 Prep Batch 160-505213:

During the in-growth process, the following samples needed to be filtered due to sediment present in the sample: SGWC-15 (180-119480-9) and SGWC-22 (180-119480-10). This is an indicator of matrix interference.

Method PrecSep\_0: Radium 228 Prep Batch 160-506111:

Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-14 (180-119762-1), SGWC-11 (180-119799-1), SGWC-12 (180-119799-2), SGWC-13 (180-119799-3), SGWA-25 (180-119799-4) and FB-2 (AP-1) (180-119799-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep\_0: Radium 228 Prep batch 160-506111:

During the in-growth process, the following samples needed to be filtered due to sediment present in the sample: SGWC-14 (180-119762-1) and SGWA-25 (180-119799-4). This is an indicator of matrix interference.

# Case Narrative

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

Job ID: 180-119437-2

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## Job ID: 180-119437-2 (Continued)

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### Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Method PrecSep-21: Radium 226 Prep Batch 160-505091:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWC-6 (180-119479-1), SGWC-7 (180-119479-2), SGWC-8 (180-119479-3), SGWC-16 (180-119479-4), SGWC-17 (180-119479-5), DUP-2 (AP-1) (180-119479-6), EB-2 (AP-1) (180-119479-7), SGWA-3 (180-119480-1) and SGWA-4 (180-119480-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep batch 160-505212:

Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWA-5 (180-119480-3), SGWC-9 (180-119480-4), SGWC-10 (180-119480-5), SGWC-15 (180-119480-9), SGWC-22 (180-119480-10) and SGWC-23 (180-119480-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep batch 160-505212:

During the in-growth process, the following samples needed to be filtered due to sediment present in the sample: SGWC-15 (180-119480-9) and SGWC-22 (180-119480-10). This is an indicator of matrix interference.

Method PrecSep-21: Radium 226 Prep batch 160-506105:

Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-14 (180-119762-1), SGWC-11 (180-119799-1), SGWC-12 (180-119799-2), SGWC-13 (180-119799-3), SGWA-25 (180-119799-4) and FB-2 (AP-1) (180-119799-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-506105:

During the in-growth process, the following samples needed to be filtered due to sediment present in the sample: SGWC-14 (180-119762-1) and SGWA-25 (180-119799-4). This is an indicator of matrix interference.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



# Definitions/Glossary

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

Job ID: 180-119437-2

## 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.
α	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

# Accreditation/Certification Summary

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

Job ID: 180-119437-2

## Laboratory: Eurofins TestAmerica, St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-22
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-21
California	Los Angeles County Sanitation Districts	10259	06-30-21
California	State	2886	06-30-21
Connecticut	State	PH-0241	03-31-21 *
Florida	NELAP	E87689	06-30-21
HI - RadChem Recognition	State	n/a	06-30-21
Illinois	NELAP	004553	11-30-21
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-21
Kentucky (DW)	State	KY90125	01-01-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-21
Louisiana	NELAP	04080	06-30-21
Louisiana (DW)	State	LA011	12-31-21
Maryland	State	310	09-30-21
MI - RadChem Recognition	State	9005	06-30-21
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-21
New Jersey	NELAP	MO002	06-30-21
New York	NELAP	11616	04-01-22
North Dakota	State	R-207	06-30-21
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-21
Oregon	NELAP	4157	09-01-21
Pennsylvania	NELAP	68-00540	03-01-22
South Carolina	State	85002001	06-30-21
Texas	NELAP	T104704193	07-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-21
Virginia	NELAP	10310	06-14-21
Washington	State	C592	08-30-21
West Virginia DEP	State	381	10-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Pittsburgh

# Sample Summary

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

Job ID: 180-119437-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119437-1	SGWA-1	Water	03/30/21 12:49	04/02/21 10:00	
180-119437-2	SGWA-2	Water	03/30/21 13:47	04/02/21 10:00	
180-119437-5	SGWC-18	Water	03/30/21 11:00	04/02/21 10:00	
180-119437-6	SGWC-19	Water	03/30/21 16:02	04/02/21 10:00	
180-119437-7	SGWC-20	Water	03/30/21 12:50	04/02/21 10:00	
180-119437-8	SGWC-21	Water	03/30/21 14:15	04/02/21 10:00	
180-119437-9	SGWA-24	Water	03/30/21 11:43	04/02/21 10:00	
180-119437-11	EB_1(AP-1)	Water	03/30/21 17:03	04/02/21 10:00	
180-119437-12	FB_1(AP-1)	Water	03/30/21 11:35	04/02/21 10:00	
180-119437-13	DUP_1(AP-1)	Water	03/30/21 00:00	04/02/21 10:00	
180-119479-1	SGWC-6	Water	04/01/21 12:26	04/03/21 10:45	
180-119479-2	SGWC-7	Water	04/01/21 11:10	04/03/21 10:45	
180-119479-3	SGWC-8	Water	04/01/21 09:37	04/03/21 10:45	
180-119479-4	SGWC-16	Water	04/01/21 14:55	04/03/21 10:45	
180-119479-5	SGWC-17	Water	04/01/21 13:40	04/03/21 10:45	
180-119479-6	DUP-2 (AP-1)	Water	04/01/21 00:00	04/03/21 10:45	
180-119479-7	EB-2 (AP-1)	Water	04/01/21 14:15	04/03/21 10:45	
180-119480-1	SGWA-3	Water	03/31/21 11:13	04/03/21 10:45	
180-119480-2	SGWA-4	Water	03/31/21 12:13	04/03/21 10:45	
180-119480-3	SGWA-5	Water	03/31/21 13:38	04/03/21 10:45	
180-119480-4	SGWC-9	Water	03/31/21 14:22	04/03/21 10:45	
180-119480-5	SGWC-10	Water	03/31/21 13:00	04/03/21 10:45	
180-119480-9	SGWC-15	Water	03/31/21 14:04	04/03/21 10:45	
180-119480-10	SGWC-22	Water	03/31/21 11:45	04/03/21 10:45	
180-119480-11	SGWC-23	Water	03/31/21 10:29	04/03/21 10:45	
180-119762-1	SGWC-14	Water	04/06/21 10:49	04/09/21 09:30	
180-119799-1	SGWC-11	Water	04/07/21 12:23	04/09/21 09:30	
180-119799-2	SGWC-12	Water	04/07/21 14:48	04/09/21 09:30	
180-119799-3	SGWC-13	Water	04/07/21 15:25	04/09/21 09:30	
180-119799-4	SGWA-25	Water	04/07/21 14:09	04/09/21 09:30	
180-119799-5	FB-2 (AP-1)	Water	04/07/21 13:45	04/09/21 09:30	

# Method Summary

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

Job ID: 180-119437-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	TAL SL
9320	Radium-228 (GFPC)	SW846	TAL SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	TAL SL
PrecSep_0	Preparation, Precipitate Separation	None	TAL SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	TAL 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:

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Lab Chronicle

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

Job ID: 180-119437-2

## Client Sample ID: SGWA-1

## Lab Sample ID: 180-119437-1

Date Collected: 03/30/21 12:49

Matrix: Water

Date Received: 04/02/21 10:00

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			1000.26 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 10:23	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.26 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:45	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-2

## Lab Sample ID: 180-119437-2

Date Collected: 03/30/21 13:47

Matrix: Water

Date Received: 04/02/21 10:00

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			1000.13 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 10:21	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.13 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:45	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-18

## Lab Sample ID: 180-119437-5

Date Collected: 03/30/21 11:00

Matrix: Water

Date Received: 04/02/21 10:00

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			1000.29 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 17:11	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.29 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:46	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-19

## Lab Sample ID: 180-119437-6

Date Collected: 03/30/21 16:02

Matrix: Water

Date Received: 04/02/21 10:00

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			1000.40 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 17:11	AK	TAL SL
Instrument ID: GFPCPURPLE										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-19**  
Date Collected: 03/30/21 16:02  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-6**  
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_0			1000.40 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:46	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-20**  
Date Collected: 03/30/21 12:50  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-7**  
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			1000.06 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 17:11	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.06 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:46	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-21**  
Date Collected: 03/30/21 14:15  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-8**  
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			1000.64 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 17:11	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.64 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:46	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-24**  
Date Collected: 03/30/21 11:43  
Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-9**  
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			1000.23 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			507705	04/29/21 17:11	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.23 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:46	FLC	TAL SL
Instrument ID: GFPCBLUE										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-24**  
**Date Collected: 03/30/21 11:43**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-9**  
**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	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL

**Client Sample ID: EB\_1(AP-1)**  
**Date Collected: 03/30/21 17:03**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-11**  
**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			1000.08 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			508252	05/04/21 08:25	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.08 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:47	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: FB\_1(AP-1)**  
**Date Collected: 03/30/21 11:35**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-12**  
**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			1000.31 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			508252	05/04/21 08:25	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.31 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:47	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: DUP\_1(AP-1)**  
**Date Collected: 03/30/21 00:00**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-13**  
**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			1000.57 mL	1.0 g	504911	04/07/21 17:58	JEC	TAL SL
Total/NA	Analysis	9315		1			508252	05/04/21 08:25	ANW	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.57 mL	1.0 g	504921	04/07/21 19:45	JEC	TAL SL
Total/NA	Analysis	9320		1			505911	04/16/21 13:47	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509269	05/11/21 16:35	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-6**  
Date Collected: 04/01/21 12:26  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-1**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.08 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.08 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:29	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-7**  
Date Collected: 04/01/21 11:10  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-2**  
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			999.05 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.05 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:29	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-8**  
Date Collected: 04/01/21 09:37  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-3**  
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			1000.84 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.84 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:29	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-16**  
Date Collected: 04/01/21 14:55  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-4**  
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-21			1000.72 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-16**  
**Date Collected: 04/01/21 14:55**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-4**  
**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			1000.72 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:29	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-17**  
**Date Collected: 04/01/21 13:40**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-5**  
**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			1000.15 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.15 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:29	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-2 (AP-1)**  
**Date Collected: 04/01/21 00:00**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-6**  
**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			1000.93 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:12	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.93 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:30	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: EB-2 (AP-1)**  
**Date Collected: 04/01/21 14:15**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119479-7**  
**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			1001.07 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:13	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1001.07 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:30	ANW	TAL SL
Instrument ID: GFPCORANGE										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: EB-2 (AP-1)**  
Date Collected: 04/01/21 14:15  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-7**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL

**Client Sample ID: SGWA-3**  
Date Collected: 03/31/21 11:13  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119480-1**  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.07 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:13	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.07 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:30	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-4**  
Date Collected: 03/31/21 12:13  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119480-2**  
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			1000.25 mL	1.0 g	505091	04/09/21 10:54	RBR	TAL SL
Total/NA	Analysis	9315		1			508446	05/05/21 08:13	SCB	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.25 mL	1.0 g	505189	04/09/21 11:17	RBR	TAL SL
Total/NA	Analysis	9320		1			507119	04/26/21 12:30	ANW	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			508514	05/05/21 21:56	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWA-5**  
Date Collected: 03/31/21 13:38  
Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119480-3**  
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			1000.84 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:07	ANW	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.84 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-119480-4**

Date Collected: 03/31/21 14:22

Matrix: Water

Date Received: 04/03/21 10:45

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			1000.24 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:07	ANW	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.24 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-119480-5**

Date Collected: 03/31/21 13:00

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.75 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:07	ANW	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.75 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-119480-9**

Date Collected: 03/31/21 14:04

Matrix: Water

Date Received: 04/03/21 10:45

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			1000.14 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:08	ANW	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.14 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-119480-10**

Date Collected: 03/31/21 11:45

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.49 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:09	ANW	TAL SL
Instrument ID: GFPCRED										



# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-22**  
**Date Collected: 03/31/21 11:45**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-10**  
**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			999.49 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-23**  
**Date Collected: 03/31/21 10:29**  
**Date Received: 04/03/21 10:45**

**Lab Sample ID: 180-119480-11**  
**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			1000.93 mL	1.0 g	505212	04/09/21 14:17	RBR	TAL SL
Total/NA	Analysis	9315		1			508259	05/04/21 14:09	ANW	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.93 mL	1.0 g	505213	04/09/21 14:33	RBR	TAL SL
Total/NA	Analysis	9320		1			507303	04/27/21 12:38	ANW	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			509270	05/11/21 16:39	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-14**  
**Date Collected: 04/06/21 10:49**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119762-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.75 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509146	05/11/21 06:48	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.75 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507859	04/30/21 12:19	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: SGWC-11**  
**Date Collected: 04/07/21 12:23**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119799-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.10 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509146	05/11/21 06:48	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1001.10 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507859	04/30/21 12:19	AK	TAL SL
Instrument ID: GFPCPURPLE										

# Lab Chronicle

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

Job ID: 180-119437-2

## Client Sample ID: SGWC-11

Lab Sample ID: 180-119799-1

Date Collected: 04/07/21 12:23

Matrix: Water

Date Received: 04/09/21 09:30

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			509267	05/11/21 16:34	SCB	TAL SL

## Client Sample ID: SGWC-12

Lab Sample ID: 180-119799-2

Date Collected: 04/07/21 14:48

Matrix: Water

Date Received: 04/09/21 09:30

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			1000.16 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509145	05/11/21 09:53	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.16 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507859	04/30/21 12:19	AK	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWC-13

Lab Sample ID: 180-119799-3

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

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			1000.95 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509145	05/11/21 09:53	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.95 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507850	04/30/21 12:24	FLC	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: SGWA-25

Lab Sample ID: 180-119799-4

Date Collected: 04/07/21 14:09

Matrix: Water

Date Received: 04/09/21 09:30

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			1000.70 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509145	05/11/21 09:53	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.70 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507850	04/30/21 12:24	FLC	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-119437-2

**Client Sample ID: FB-2 (AP-1)**

**Lab Sample ID: 180-119799-5**

**Date Collected: 04/07/21 13:45**

**Matrix: Water**

**Date Received: 04/09/21 09:30**

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			1000.16 mL	1.0 g	506105	04/19/21 09:13	RBR	TAL SL
Total/NA	Analysis	9315		1			509145	05/11/21 09:53	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.16 mL	1.0 g	506111	04/19/21 09:59	RBR	TAL SL
Total/NA	Analysis	9320		1			507850	04/30/21 12:24	FLC	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Analyst References:**

Lab: TAL SL

Batch Type: Prep

JEC = Julia Crossen

RBR = Rachael Ratcliff

Batch Type: Analysis

AK = Amanda Kraus

ANW = Amber Woods

FLC = Fernando Cruz

SCB = Sarah Bernsen

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-1**

**Lab Sample ID: 180-119437-1**

Date Collected: 03/30/21 12:49

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0372	U	0.0468	0.0469	1.00	0.114	pCi/L	04/07/21 17:58	04/29/21 10:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 17:58	04/29/21 10:23	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.445</b>		0.286	0.289	1.00	0.437	pCi/L	04/07/21 19:45	04/16/21 13:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 19:45	04/16/21 13:45	1
Y Carrier	80.7		40 - 110					04/07/21 19:45	04/16/21 13:45	1

**Method: 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	0.408	U	0.290	0.293	5.00	0.437	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-2**

**Lab Sample ID: 180-119437-2**

Date Collected: 03/30/21 13:47

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00659	U	0.0417	0.0417	1.00	0.0916	pCi/L	04/07/21 17:58	04/29/21 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 17:58	04/29/21 10:21	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.317	U	0.264	0.266	1.00	0.419	pCi/L	04/07/21 19:45	04/16/21 13:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 19:45	04/16/21 13:45	1
Y Carrier	82.2		40 - 110					04/07/21 19:45	04/16/21 13:45	1

**Method: 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	0.311	U	0.267	0.269	5.00	0.419	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-18**  
**Date Collected: 03/30/21 11:00**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-5**  
**Matrix: Water**

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0583	U	0.0605	0.0608	1.00	0.0960	pCi/L	04/07/21 17:58	04/29/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					04/07/21 17:58	04/29/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.380	U	0.284	0.286	1.00	0.444	pCi/L	04/07/21 19:45	04/16/21 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					04/07/21 19:45	04/16/21 13:46	1
Y Carrier	83.4		40 - 110					04/07/21 19:45	04/16/21 13:46	1

**Method: 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	0.439	U	0.290	0.292	5.00	0.444	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-19**

**Lab Sample ID: 180-119437-6**

Date Collected: 03/30/21 16:02

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0942	U	0.0678	0.0683	1.00	0.0952	pCi/L	04/07/21 17:58	04/29/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		40 - 110					04/07/21 17:58	04/29/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.417		0.265	0.268	1.00	0.402	pCi/L	04/07/21 19:45	04/16/21 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		40 - 110					04/07/21 19:45	04/16/21 13:46	1
Y Carrier	82.6		40 - 110					04/07/21 19:45	04/16/21 13:46	1

**Method: 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	0.511		0.274	0.277	5.00	0.402	pCi/L		05/11/21 16:35	1



# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-20**  
 Date Collected: 03/30/21 12:50  
 Date Received: 04/02/21 10:00

**Lab Sample ID: 180-119437-7**  
 Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0636	U	0.0627	0.0630	1.00	0.0977	pCi/L	04/07/21 17:58	04/29/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		40 - 110					04/07/21 17:58	04/29/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.509</b>		0.290	0.294	1.00	0.431	pCi/L	04/07/21 19:45	04/16/21 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		40 - 110					04/07/21 19:45	04/16/21 13:46	1
Y Carrier	84.5		40 - 110					04/07/21 19:45	04/16/21 13:46	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>0.572</b>		0.297	0.301	5.00	0.431	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-21**

**Lab Sample ID: 180-119437-8**

Date Collected: 03/30/21 14:15

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0734	U	0.0702	0.0705	1.00	0.109	pCi/L	04/07/21 17:58	04/29/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		40 - 110					04/07/21 17:58	04/29/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.882		0.343	0.352	1.00	0.475	pCi/L	04/07/21 19:45	04/16/21 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		40 - 110					04/07/21 19:45	04/16/21 13:46	1
Y Carrier	84.5		40 - 110					04/07/21 19:45	04/16/21 13:46	1

**Method: 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	0.955		0.350	0.359	5.00	0.475	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-24**  
**Date Collected: 03/30/21 11:43**  
**Date Received: 04/02/21 10:00**

**Lab Sample ID: 180-119437-9**  
**Matrix: Water**

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0371	U	0.0628	0.0629	1.00	0.109	pCi/L	04/07/21 17:58	04/29/21 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					04/07/21 17:58	04/29/21 17:11	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.248	U	0.259	0.260	1.00	0.497	pCi/L	04/07/21 19:45	04/16/21 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					04/07/21 19:45	04/16/21 13:46	1
Y Carrier	86.7		40 - 110					04/07/21 19:45	04/16/21 13:46	1

**Method: 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	-0.211	U	0.267	0.268	5.00	0.497	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: EB\_1(AP-1)**

**Lab Sample ID: 180-119437-11**

Date Collected: 03/30/21 17:03

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0605	U	0.0597	0.0600	1.00	0.0929	pCi/L	04/07/21 17:58	05/04/21 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		40 - 110					04/07/21 17:58	05/04/21 08:25	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.236	U	0.250	0.251	1.00	0.408	pCi/L	04/07/21 19:45	04/16/21 13:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		40 - 110					04/07/21 19:45	04/16/21 13:47	1
Y Carrier	87.5		40 - 110					04/07/21 19:45	04/16/21 13:47	1

**Method: 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	0.296	U	0.257	0.258	5.00	0.408	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: FB\_1(AP-1)**

**Lab Sample ID: 180-119437-12**

Date Collected: 03/30/21 11:35

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 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	0.0600	0.0602	1.00	0.0995	pCi/L	04/07/21 17:58	05/04/21 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 17:58	05/04/21 08:25	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.252	U	0.289	0.290	1.00	0.476	pCi/L	04/07/21 19:45	04/16/21 13:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					04/07/21 19:45	04/16/21 13:47	1
Y Carrier	86.4		40 - 110					04/07/21 19:45	04/16/21 13:47	1

**Method: 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	0.300	U	0.295	0.296	5.00	0.476	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: DUP\_1(AP-1)**

**Lab Sample ID: 180-119437-13**

Date Collected: 03/30/21 00:00

Matrix: Water

Date Received: 04/02/21 10:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0457	U	0.0563	0.0564	1.00	0.0927	pCi/L	04/07/21 17:58	05/04/21 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		40 - 110					04/07/21 17:58	05/04/21 08:25	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.170	U	0.236	0.237	1.00	0.395	pCi/L	04/07/21 19:45	04/16/21 13:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		40 - 110					04/07/21 19:45	04/16/21 13:47	1
Y Carrier	83.7		40 - 110					04/07/21 19:45	04/16/21 13:47	1

**Method: 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	0.216	U	0.243	0.244	5.00	0.395	pCi/L		05/11/21 16:35	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-6**

**Lab Sample ID: 180-119479-1**

Date Collected: 04/01/21 12:26

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 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	0.0592	0.0593	1.00	0.107	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.515</b>		0.242	0.247	1.00	0.347	pCi/L	04/09/21 11:17	04/26/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					04/09/21 11:17	04/26/21 12:29	1
Y Carrier	87.5		40 - 110					04/09/21 11:17	04/26/21 12:29	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>0.544</b>		0.249	0.254	5.00	0.347	pCi/L		05/05/21 21:56	1



# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-7**

**Lab Sample ID: 180-119479-2**

Date Collected: 04/01/21 11:10

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0525	U	0.0646	0.0648	1.00	0.106	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.276	U	0.229	0.230	1.00	0.364	pCi/L	04/09/21 11:17	04/26/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					04/09/21 11:17	04/26/21 12:29	1
Y Carrier	89.3		40 - 110					04/09/21 11:17	04/26/21 12:29	1

**Method: 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	0.329	U	0.238	0.239	5.00	0.364	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-8**

**Lab Sample ID: 180-119479-3**

Date Collected: 04/01/21 09:37

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.429		0.122	0.128	1.00	0.107	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.83		0.329	0.369	1.00	0.344	pCi/L	04/09/21 11:17	04/26/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		40 - 110					04/09/21 11:17	04/26/21 12:29	1
Y Carrier	89.7		40 - 110					04/09/21 11:17	04/26/21 12:29	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.26		0.351	0.391	5.00	0.344	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-16**

**Lab Sample ID: 180-119479-4**

Date Collected: 04/01/21 14:55

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000746	U	0.0519	0.0519	1.00	0.107	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0893	U	0.198	0.198	1.00	0.341	pCi/L	04/09/21 11:17	04/26/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		40 - 110					04/09/21 11:17	04/26/21 12:29	1
Y Carrier	89.7		40 - 110					04/09/21 11:17	04/26/21 12:29	1

**Method: 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	0.0901	U	0.205	0.205	5.00	0.341	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-17**  
 Date Collected: 04/01/21 13:40  
 Date Received: 04/03/21 10:45

**Lab Sample ID: 180-119479-5**  
 Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0393	U	0.0453	0.0454	1.00	0.116	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.2		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0910	U	0.205	0.205	1.00	0.352	pCi/L	04/09/21 11:17	04/26/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.2		40 - 110					04/09/21 11:17	04/26/21 12:29	1
Y Carrier	89.7		40 - 110					04/09/21 11:17	04/26/21 12:29	1

**Method: 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	0.0517	U	0.210	0.210	5.00	0.352	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: DUP-2 (AP-1)**

**Lab Sample ID: 180-119479-6**

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143		0.0812	0.0822	1.00	0.104	pCi/L	04/09/21 10:54	05/05/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		40 - 110					04/09/21 10:54	05/05/21 08:12	1

**Method: 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	0.198	0.199	1.00	0.328	pCi/L	04/09/21 11:17	04/26/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		40 - 110					04/09/21 11:17	04/26/21 12:30	1
Y Carrier	89.3		40 - 110					04/09/21 11:17	04/26/21 12:30	1

**Method: 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	0.305	U	0.214	0.215	5.00	0.328	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: EB-2 (AP-1)**

**Lab Sample ID: 180-119479-7**

Date Collected: 04/01/21 14:15

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0128	U	0.0691	0.0691	1.00	0.134	pCi/L	04/09/21 10:54	05/05/21 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.5		40 - 110					04/09/21 10:54	05/05/21 08:13	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00997	U	0.217	0.217	1.00	0.396	pCi/L	04/09/21 11:17	04/26/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.5		40 - 110					04/09/21 11:17	04/26/21 12:30	1
Y Carrier	86.7		40 - 110					04/09/21 11:17	04/26/21 12:30	1

**Method: 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	0.00284	U	0.228	0.228	5.00	0.396	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-3**

**Lab Sample ID: 180-119480-1**

Date Collected: 03/31/21 11:13

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0128	U	0.0665	0.0665	1.00	0.127	pCi/L	04/09/21 10:54	05/05/21 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		40 - 110					04/09/21 10:54	05/05/21 08:13	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0932	U	0.193	0.193	1.00	0.332	pCi/L	04/09/21 11:17	04/26/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		40 - 110					04/09/21 11:17	04/26/21 12:30	1
Y Carrier	89.3		40 - 110					04/09/21 11:17	04/26/21 12:30	1

**Method: 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	0.106	U	0.204	0.204	5.00	0.332	pCi/L		05/05/21 21:56	1



# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-4**

**Lab Sample ID: 180-119480-2**

Date Collected: 03/31/21 12:13

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0738	U	0.0645	0.0648	1.00	0.0957	pCi/L	04/09/21 10:54	05/05/21 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.2		40 - 110					04/09/21 10:54	05/05/21 08:13	1

**Method: 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	0.200	0.201	1.00	0.332	pCi/L	04/09/21 11:17	04/26/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.2		40 - 110					04/09/21 11:17	04/26/21 12:30	1
Y Carrier	89.7		40 - 110					04/09/21 11:17	04/26/21 12:30	1

**Method: 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	0.210	0.211	5.00	0.332	pCi/L		05/05/21 21:56	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-5**

**Lab Sample ID: 180-119480-3**

Date Collected: 03/31/21 13:38

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0609	U	0.0801	0.0803	1.00	0.134	pCi/L	04/09/21 14:17	05/04/21 14:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		40 - 110					04/09/21 14:17	05/04/21 14:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.218	U	0.255	0.256	1.00	0.420	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	83.7		40 - 110					04/09/21 14:33	04/27/21 12:38	1

**Method: 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	0.279	U	0.267	0.268	5.00	0.420	pCi/L		05/11/21 16:39	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-9**

**Lab Sample ID: 180-119480-4**

Date Collected: 03/31/21 14:22

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 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	0.0462	0.0463	1.00	0.112	pCi/L	04/09/21 14:17	05/04/21 14:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					04/09/21 14:17	05/04/21 14:07	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.178	U	0.242	0.243	1.00	0.404	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	85.6		40 - 110					04/09/21 14:33	04/27/21 12:38	1

**Method: 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	0.153	U	0.246	0.247	5.00	0.404	pCi/L		05/11/21 16:39	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-10**

**Lab Sample ID: 180-119480-5**

Date Collected: 03/31/21 13:00

Matrix: Water

Date Received: 04/03/21 10:45

## Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00769	U	0.0536	0.0536	1.00	0.110	pCi/L	04/09/21 14:17	05/04/21 14:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		40 - 110					04/09/21 14:17	05/04/21 14:07	1

## Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.181	U	0.274	0.274	1.00	0.460	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	81.9		40 - 110					04/09/21 14:33	04/27/21 12:38	1

## Method: 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	0.188	U	0.279	0.279	5.00	0.460	pCi/L		05/11/21 16:39	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-15**

**Lab Sample ID: 180-119480-9**

Date Collected: 03/31/21 14:04

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0693	U	0.0689	0.0692	1.00	0.106	pCi/L	04/09/21 14:17	05/04/21 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		40 - 110					04/09/21 14:17	05/04/21 14:08	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.242	U	0.260	0.261	1.00	0.425	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	84.1		40 - 110					04/09/21 14:33	04/27/21 12:38	1

**Method: 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	0.311	U	0.269	0.270	5.00	0.425	pCi/L		05/11/21 16:39	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-22**

**Lab Sample ID: 180-119480-10**

Date Collected: 03/31/21 11:45

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0368	U	0.0535	0.0536	1.00	0.0914	pCi/L	04/09/21 14:17	05/04/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					04/09/21 14:17	05/04/21 14:09	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0319	U	0.247	0.247	1.00	0.438	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	81.9		40 - 110					04/09/21 14:33	04/27/21 12:38	1

**Method: 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	0.0687	U	0.253	0.253	5.00	0.438	pCi/L		05/11/21 16:39	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-23**

**Lab Sample ID: 180-119480-11**

Date Collected: 03/31/21 10:29

Matrix: Water

Date Received: 04/03/21 10:45

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.149		0.0817	0.0828	1.00	0.0963	pCi/L	04/09/21 14:17	05/04/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					04/09/21 14:17	05/04/21 14:09	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.221	U	0.249	0.250	1.00	0.410	pCi/L	04/09/21 14:33	04/27/21 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		40 - 110					04/09/21 14:33	04/27/21 12:38	1
Y Carrier	86.4		40 - 110					04/09/21 14:33	04/27/21 12:38	1

**Method: 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	0.262	0.263	5.00	0.410	pCi/L		05/11/21 16:39	1



# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-14**  
 Date Collected: 04/06/21 10:49  
 Date Received: 04/09/21 09:30

**Lab Sample ID: 180-119762-1**  
 Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0228	U	0.0709	0.0710	1.00	0.131	pCi/L	04/19/21 09:13	05/11/21 06:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		40 - 110					04/19/21 09:13	05/11/21 06:48	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0619	U	0.232	0.232	1.00	0.427	pCi/L	04/19/21 09:59	04/30/21 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		40 - 110					04/19/21 09:59	04/30/21 12:19	1
Y Carrier	84.5		40 - 110					04/19/21 09:59	04/30/21 12:19	1

**Method: 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	-0.0391	U	0.243	0.243	5.00	0.427	pCi/L		05/11/21 16:34	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-11**

**Lab Sample ID: 180-119799-1**

Date Collected: 04/07/21 12:23

Matrix: Water

Date Received: 04/09/21 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0115	U	0.0657	0.0657	1.00	0.126	pCi/L	04/19/21 09:13	05/11/21 06:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		40 - 110					04/19/21 09:13	05/11/21 06:48	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0461	U	0.211	0.211	1.00	0.373	pCi/L	04/19/21 09:59	04/30/21 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		40 - 110					04/19/21 09:59	04/30/21 12:19	1
Y Carrier	84.5		40 - 110					04/19/21 09:59	04/30/21 12:19	1

**Method: 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	0.0576	U	0.221	0.221	5.00	0.373	pCi/L		05/11/21 16:34	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-12**

**Lab Sample ID: 180-119799-2**

Date Collected: 04/07/21 14:48

Matrix: Water

Date Received: 04/09/21 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0438	U	0.0713	0.0714	1.00	0.123	pCi/L	04/19/21 09:13	05/11/21 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					04/19/21 09:13	05/11/21 09:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0257	U	0.253	0.253	1.00	0.450	pCi/L	04/19/21 09:59	04/30/21 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					04/19/21 09:59	04/30/21 12:19	1
Y Carrier	84.1		40 - 110					04/19/21 09:59	04/30/21 12:19	1

**Method: 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	0.0695	U	0.263	0.263	5.00	0.450	pCi/L		05/11/21 16:34	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWC-13**

**Lab Sample ID: 180-119799-3**

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

**Method: 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	0.0668	0.0668	1.00	0.118	pCi/L	04/19/21 09:13	05/11/21 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		40 - 110					04/19/21 09:13	05/11/21 09:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.320	U	0.292	0.293	1.00	0.469	pCi/L	04/19/21 09:59	04/30/21 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		40 - 110					04/19/21 09:59	04/30/21 12:24	1
Y Carrier	83.4		40 - 110					04/19/21 09:59	04/30/21 12:24	1

**Method: 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	0.356	U	0.300	0.301	5.00	0.469	pCi/L		05/11/21 16:34	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: SGWA-25**  
 Date Collected: 04/07/21 14:09  
 Date Received: 04/09/21 09:30

**Lab Sample ID: 180-119799-4**  
 Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0905	U	0.0789	0.0794	1.00	0.120	pCi/L	04/19/21 09:13	05/11/21 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		40 - 110					04/19/21 09:13	05/11/21 09:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00542	U	0.210	0.210	1.00	0.387	pCi/L	04/19/21 09:59	04/30/21 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		40 - 110					04/19/21 09:59	04/30/21 12:24	1
Y Carrier	84.9		40 - 110					04/19/21 09:59	04/30/21 12:24	1

**Method: 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	0.0851	U	0.224	0.225	5.00	0.387	pCi/L		05/11/21 16:34	1

# Client Sample Results

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

Job ID: 180-119437-2

**Client Sample ID: FB-2 (AP-1)**

**Lab Sample ID: 180-119799-5**

Date Collected: 04/07/21 13:45

Matrix: Water

Date Received: 04/09/21 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0437	U	0.0737	0.0738	1.00	0.128	pCi/L	04/19/21 09:13	05/11/21 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		40 - 110					04/19/21 09:13	05/11/21 09:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402		0.246	0.249	1.00	0.366	pCi/L	04/19/21 09:59	04/30/21 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		40 - 110					04/19/21 09:59	04/30/21 12:24	1
Y Carrier	83.4		40 - 110					04/19/21 09:59	04/30/21 12:24	1

**Method: 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	0.446		0.257	0.260	5.00	0.366	pCi/L		05/11/21 16:34	1

# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9315 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-504911/23-A**  
**Matrix: Water**  
**Analysis Batch: 508250**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 504911**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.01323	U	0.0443	0.0443	1.00	0.0989	pCi/L	04/07/21 17:58	05/04/21 08:26	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					04/07/21 17:58	05/04/21 08:26	1
	88.5									

**Lab Sample ID: LCS 160-504911/1-A**  
**Matrix: Water**  
**Analysis Batch: 507705**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 504911**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.29		1.16	1.00	0.0981	pCi/L	100	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	%Yield	Qualifier	40 - 110						
	83.8								

**Lab Sample ID: 160-41633-G-2-B DU**  
**Matrix: Water**  
**Analysis Batch: 508250**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 504911**

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0353	U	0.02878	U	0.0564	1.00	0.101	pCi/L	0.06	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	82.9									

**Lab Sample ID: MB 160-505091/23-A**  
**Matrix: Water**  
**Analysis Batch: 508446**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 505091**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.007956	U	0.0477	0.0477	1.00	0.0961	pCi/L	04/09/21 10:54	05/05/21 08:13	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					04/09/21 10:54	05/05/21 08:13	1
	93.5									

**Lab Sample ID: LCS 160-505091/1-A**  
**Matrix: Water**  
**Analysis Batch: 508473**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 505091**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.90		1.23	1.00	0.135	pCi/L	105	75 - 125

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# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: LCS 160-505091/1-A**  
**Matrix: Water**  
**Analysis Batch: 508473**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 505091**

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.8		40 - 110

**Lab Sample ID: LCSD 160-505091/2-A**  
**Matrix: Water**  
**Analysis Batch: 508473**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 505091**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226	11.3	12.04		1.25	1.00	0.106	pCi/L	106	75 - 125	0.06	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.6		40 - 110

**Lab Sample ID: MB 160-505212/20-A**  
**Matrix: Water**  
**Analysis Batch: 508259**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 505212**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03804	U	0.0552	0.0553	1.00	0.0944	pCi/L	04/09/21 14:17	05/04/21 18:24	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		40 - 110	04/09/21 14:17	05/04/21 18:24	1

**Lab Sample ID: LCS 160-505212/1-A**  
**Matrix: Water**  
**Analysis Batch: 508259**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 505212**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-226	11.3	10.95		1.15	1.00	0.0960	pCi/L	97	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.7		40 - 110

**Lab Sample ID: LCSD 160-505212/2-A**  
**Matrix: Water**  
**Analysis Batch: 508259**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 505212**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226	11.3	10.41		1.11	1.00	0.105	pCi/L	92	75 - 125	0.24	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.6		40 - 110

# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: MB 160-506105/23-A**  
**Matrix: Water**  
**Analysis Batch: 509145**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 506105**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05985	U	0.0681	0.0683	1.00	0.110	pCi/L	04/19/21 09:13	05/11/21 09:54	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	40 - 110				04/19/21 09:13		05/11/21 09:54	
	85.5									

**Lab Sample ID: LCS 160-506105/1-A**  
**Matrix: Water**  
**Analysis Batch: 509146**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 506105**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
				Uncert. (2σ+/-)						
Radium-226	11.3	11.82		1.22	1.00	0.103	pCi/L	104	75 - 125	
Carrier	LCS	LCS	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	80.6									

**Lab Sample ID: LCSD 160-506105/2-A**  
**Matrix: Water**  
**Analysis Batch: 509146**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 506105**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit	
				Uncert. (2σ+/-)								
Radium-226	11.3	11.39		1.19	1.00	0.133	pCi/L	100	75 - 125	0.18	1	
Carrier	LCSD	LCSD	Limits									
Ba Carrier	%Yield	Qualifier	40 - 110									
	82.7											

## Method: 9320 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-504921/23-A**  
**Matrix: Water**  
**Analysis Batch: 505912**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 504921**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.3066	U	0.237	0.239	1.00	0.370	pCi/L	04/07/21 19:45	04/16/21 13:50	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	40 - 110				04/07/21 19:45		04/16/21 13:50	
	88.5									
Y Carrier	84.9		40 - 110				04/07/21 19:45		04/16/21 13:50	

# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: LCS 160-504921/1-A**  
**Matrix: Water**  
**Analysis Batch: 505911**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 504921**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-228	7.28	8.001		1.03	1.00	0.471	pCi/L	110	75 - 125	
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	83.8		40 - 110							
Y Carrier	81.1		40 - 110							

**Lab Sample ID: 160-41633-G-2-C DU**  
**Matrix: Water**  
**Analysis Batch: 505912**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 504921**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.228	U	0.2696	U	0.229	1.00	0.358	pCi/L	0.08	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	82.9		40 - 110							
Y Carrier	87.5		40 - 110							

**Lab Sample ID: MB 160-505189/23-A**  
**Matrix: Water**  
**Analysis Batch: 507052**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 505189**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac	
Radium-228	0.3638		0.221	0.223	1.00	0.333	pCi/L	04/09/21 11:17	04/26/21 12:31			1	
<b>MB MB</b>													
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>			
Ba Carrier	93.5		40 - 110					04/09/21 11:17	04/26/21 12:31	1			
Y Carrier	88.2		40 - 110					04/09/21 11:17	04/26/21 12:31	1			

**Lab Sample ID: LCS 160-505189/1-A**  
**Matrix: Water**  
**Analysis Batch: 507119**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 505189**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-228	7.26	7.127		0.891	1.00	0.388	pCi/L	98	75 - 125	
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	83.8		40 - 110							
Y Carrier	87.1		40 - 110							

# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: LCSD 160-505189/2-A**  
**Matrix: Water**  
**Analysis Batch: 507119**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 505189**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER													
									75 - 125	0.06	RER	Limit												
Radium-228	7.26	7.229		0.905	1.00	0.338	pCi/L	100	75 - 125	0.06		1												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>LCSD %Yield</th> <th>LCSD Qualifier</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>80.6</td> <td></td> <td>40 - 110</td> </tr> <tr> <td>Y Carrier</td> <td>87.1</td> <td></td> <td>40 - 110</td> </tr> </tbody> </table>													Carrier	LCSD %Yield	LCSD Qualifier	Limits	Ba Carrier	80.6		40 - 110	Y Carrier	87.1		40 - 110
Carrier	LCSD %Yield	LCSD Qualifier	Limits																					
Ba Carrier	80.6		40 - 110																					
Y Carrier	87.1		40 - 110																					

**Lab Sample ID: MB 160-505213/20-A**  
**Matrix: Water**  
**Analysis Batch: 507303**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 505213**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac																					
								04/09/21 14:33	04/27/21 12:40	04/09/21 14:33	04/27/21 12:40																						
Radium-228	0.004992	U	0.235	0.235	1.00	0.423	pCi/L	04/09/21 14:33	04/27/21 12:40	04/09/21 14:33	04/27/21 12:40	1																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>MB %Yield</th> <th>MB Qualifier</th> <th>Limits</th> <th>Prepared</th> <th>Analyzed</th> <th>Dil Fac</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>83.2</td> <td></td> <td>40 - 110</td> <td>04/09/21 14:33</td> <td>04/27/21 12:40</td> <td>1</td> </tr> <tr> <td>Y Carrier</td> <td>86.4</td> <td></td> <td>40 - 110</td> <td>04/09/21 14:33</td> <td>04/27/21 12:40</td> <td>1</td> </tr> </tbody> </table>													Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac	Ba Carrier	83.2		40 - 110	04/09/21 14:33	04/27/21 12:40	1	Y Carrier	86.4		40 - 110	04/09/21 14:33	04/27/21 12:40	1
Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac																											
Ba Carrier	83.2		40 - 110	04/09/21 14:33	04/27/21 12:40	1																											
Y Carrier	86.4		40 - 110	04/09/21 14:33	04/27/21 12:40	1																											

**Lab Sample ID: LCS 160-505213/1-A**  
**Matrix: Water**  
**Analysis Batch: 507303**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 505213**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits													
									75 - 125													
Radium-228	7.25	8.374		1.02	1.00	0.399	pCi/L	115	75 - 125													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>LCS %Yield</th> <th>LCS Qualifier</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>84.7</td> <td></td> <td>40 - 110</td> </tr> <tr> <td>Y Carrier</td> <td>88.2</td> <td></td> <td>40 - 110</td> </tr> </tbody> </table>											Carrier	LCS %Yield	LCS Qualifier	Limits	Ba Carrier	84.7		40 - 110	Y Carrier	88.2		40 - 110
Carrier	LCS %Yield	LCS Qualifier	Limits																			
Ba Carrier	84.7		40 - 110																			
Y Carrier	88.2		40 - 110																			

**Lab Sample ID: LCSD 160-505213/2-A**  
**Matrix: Water**  
**Analysis Batch: 507303**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 505213**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER													
									75 - 125	0.13	RER	Limit												
Radium-228	7.25	8.650		1.07	1.00	0.425	pCi/L	119	75 - 125	0.13		1												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>LCSD %Yield</th> <th>LCSD Qualifier</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>80.6</td> <td></td> <td>40 - 110</td> </tr> <tr> <td>Y Carrier</td> <td>84.1</td> <td></td> <td>40 - 110</td> </tr> </tbody> </table>													Carrier	LCSD %Yield	LCSD Qualifier	Limits	Ba Carrier	80.6		40 - 110	Y Carrier	84.1		40 - 110
Carrier	LCSD %Yield	LCSD Qualifier	Limits																					
Ba Carrier	80.6		40 - 110																					
Y Carrier	84.1		40 - 110																					

# QC Sample Results

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

Job ID: 180-119437-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: MB 160-506111/23-A**  
**Matrix: Water**  
**Analysis Batch: 507850**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 506111**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.009545	U	0.213	0.213	1.00	0.387	pCi/L	04/19/21 09:59	04/30/21 12:26	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	85.5		40 - 110		04/19/21 09:59	04/30/21 12:26	1			
Y Carrier	88.2		40 - 110		04/19/21 09:59	04/30/21 12:26	1			

**Lab Sample ID: LCS 160-506111/1-A**  
**Matrix: Water**  
**Analysis Batch: 507859**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 506111**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-228	7.25	7.551		0.974	1.00	0.498	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	80.6		40 - 110						
Y Carrier	83.0		40 - 110						

**Lab Sample ID: LCSD 160-506111/2-A**  
**Matrix: Water**  
**Analysis Batch: 507859**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 506111**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-228	7.25	7.826		0.984	1.00	0.452	pCi/L	108	75 - 125	0.14	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	82.7		40 - 110								
Y Carrier	85.2		40 - 110								

# QC Association Summary

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

Job ID: 180-119437-2

## Rad

### Prep Batch: 504911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	PrecSep-21	
180-119437-2	SGWA-2	Total/NA	Water	PrecSep-21	
180-119437-5	SGWC-18	Total/NA	Water	PrecSep-21	
180-119437-6	SGWC-19	Total/NA	Water	PrecSep-21	
180-119437-7	SGWC-20	Total/NA	Water	PrecSep-21	
180-119437-8	SGWC-21	Total/NA	Water	PrecSep-21	
180-119437-9	SGWA-24	Total/NA	Water	PrecSep-21	
180-119437-11	EB_1(AP-1)	Total/NA	Water	PrecSep-21	
180-119437-12	FB_1(AP-1)	Total/NA	Water	PrecSep-21	
180-119437-13	DUP_1(AP-1)	Total/NA	Water	PrecSep-21	
MB 160-504911/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-504911/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-41633-G-2-B DU	Duplicate	Total/NA	Water	PrecSep-21	

### Prep Batch: 504921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119437-1	SGWA-1	Total/NA	Water	PrecSep_0	
180-119437-2	SGWA-2	Total/NA	Water	PrecSep_0	
180-119437-5	SGWC-18	Total/NA	Water	PrecSep_0	
180-119437-6	SGWC-19	Total/NA	Water	PrecSep_0	
180-119437-7	SGWC-20	Total/NA	Water	PrecSep_0	
180-119437-8	SGWC-21	Total/NA	Water	PrecSep_0	
180-119437-9	SGWA-24	Total/NA	Water	PrecSep_0	
180-119437-11	EB_1(AP-1)	Total/NA	Water	PrecSep_0	
180-119437-12	FB_1(AP-1)	Total/NA	Water	PrecSep_0	
180-119437-13	DUP_1(AP-1)	Total/NA	Water	PrecSep_0	
MB 160-504921/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-504921/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-41633-G-2-C DU	Duplicate	Total/NA	Water	PrecSep_0	

### Prep Batch: 505091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total/NA	Water	PrecSep-21	
180-119479-2	SGWC-7	Total/NA	Water	PrecSep-21	
180-119479-3	SGWC-8	Total/NA	Water	PrecSep-21	
180-119479-4	SGWC-16	Total/NA	Water	PrecSep-21	
180-119479-5	SGWC-17	Total/NA	Water	PrecSep-21	
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	PrecSep-21	
180-119479-7	EB-2 (AP-1)	Total/NA	Water	PrecSep-21	
180-119480-1	SGWA-3	Total/NA	Water	PrecSep-21	
180-119480-2	SGWA-4	Total/NA	Water	PrecSep-21	
MB 160-505091/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-505091/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-505091/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 505189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-1	SGWC-6	Total/NA	Water	PrecSep_0	
180-119479-2	SGWC-7	Total/NA	Water	PrecSep_0	
180-119479-3	SGWC-8	Total/NA	Water	PrecSep_0	
180-119479-4	SGWC-16	Total/NA	Water	PrecSep_0	

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# QC Association Summary

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

Job ID: 180-119437-2

## Rad (Continued)

### Prep Batch: 505189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119479-5	SGWC-17	Total/NA	Water	PrecSep_0	
180-119479-6	DUP-2 (AP-1)	Total/NA	Water	PrecSep_0	
180-119479-7	EB-2 (AP-1)	Total/NA	Water	PrecSep_0	
180-119480-1	SGWA-3	Total/NA	Water	PrecSep_0	
180-119480-2	SGWA-4	Total/NA	Water	PrecSep_0	
MB 160-505189/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-505189/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-505189/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 505212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-3	SGWA-5	Total/NA	Water	PrecSep-21	
180-119480-4	SGWC-9	Total/NA	Water	PrecSep-21	
180-119480-5	SGWC-10	Total/NA	Water	PrecSep-21	
180-119480-9	SGWC-15	Total/NA	Water	PrecSep-21	
180-119480-10	SGWC-22	Total/NA	Water	PrecSep-21	
180-119480-11	SGWC-23	Total/NA	Water	PrecSep-21	
MB 160-505212/20-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-505212/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-505212/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 505213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119480-3	SGWA-5	Total/NA	Water	PrecSep_0	
180-119480-4	SGWC-9	Total/NA	Water	PrecSep_0	
180-119480-5	SGWC-10	Total/NA	Water	PrecSep_0	
180-119480-9	SGWC-15	Total/NA	Water	PrecSep_0	
180-119480-10	SGWC-22	Total/NA	Water	PrecSep_0	
180-119480-11	SGWC-23	Total/NA	Water	PrecSep_0	
MB 160-505213/20-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-505213/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-505213/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 506105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	PrecSep-21	
180-119799-1	SGWC-11	Total/NA	Water	PrecSep-21	
180-119799-2	SGWC-12	Total/NA	Water	PrecSep-21	
180-119799-3	SGWC-13	Total/NA	Water	PrecSep-21	
180-119799-4	SGWA-25	Total/NA	Water	PrecSep-21	
180-119799-5	FB-2 (AP-1)	Total/NA	Water	PrecSep-21	
MB 160-506105/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-506105/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-506105/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 506111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119762-1	SGWC-14	Total/NA	Water	PrecSep_0	
180-119799-1	SGWC-11	Total/NA	Water	PrecSep_0	
180-119799-2	SGWC-12	Total/NA	Water	PrecSep_0	
180-119799-3	SGWC-13	Total/NA	Water	PrecSep_0	

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# QC Association Summary

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

Job ID: 180-119437-2

## Rad (Continued)

### Prep Batch: 506111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119799-4	SGWA-25	Total/NA	Water	PrecSep_0	
180-119799-5	FB-2 (AP-1)	Total/NA	Water	PrecSep_0	
MB 160-506111/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-506111/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-506111/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238-2907  
phone 412.963.7058 fax 412.963.2468

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact		Project Manager: Dawn Prell Tel/Fax: 248-536-5445		Site Contact: Dawn Prell Lab Contact: Shali Brown		Date: 3-30-21 Carrier:		COC No: 1 of 2 COCs	
Southern Company		Analysis Turnaround Time		6020, 7470A, As, B, Ba, Bb, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl		Radium 226 + 228		Use Only: Client: pling: 3 No.:	
241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Perform MS / MSD (Y / N)		180-119437 Chain of Custody			
Project Name: CCR - Plant Scherer Ash Pond		Sample Date		Filtered Sample (Y / N)					
Site: Georgia		Sample Type (G=Comp, G=Grab)		Matrix					
P O # 18019884		Sample Time		# of Cont.					

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix	# of Cont.	4	1	4	Sample Specific Notes:
SGWA-1	3/30/2021	12:49	G	GW	5	X	X	X	pH= 5.28
SGWA-2	3/30/2021	13:47	G	GW	5	X	X	X	pH= 6.73
SGWC-6	3/20/2021	11:40	G	GW	5	X	X	X	pH= 6.45
SGWC-7	3/30/2021	10:34	G	GW	5	X	X	X	pH= 6.41
SGWC-18	3/30/2021	11:00	G	GW	5	X	X	X	pH= 4.82
SGWC-19	3/30/2021	16:02	G	GW	5	X	X	X	pH= 5.57
SGWC-20	3/20/2021	12:50	G	GW	7	X	X	X	pH= 4.32 and extra radium
SGWC-21	3/30/2021	14:15	G	GW	5	X	X	X	pH= 6.17
SGWA-24	3/30/2021	11:43	G	GW	5	X	X	X	pH= 6.27
SGWA-25	3/30/2021	14:56	G	GW	5	X	X	X	pH= 6.04

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

Custody Seal No.: \_\_\_\_\_

Relinquished by: Dawn Whinn  
Relinquished by: 3/31/21  
Relinquished by: 3/31/21

Company: Coker Ass.  
Company: ETA  
Company: ETA

Date/Time: 3/31/21 10:00  
Date/Time: 3/31/21 18:00  
Date/Time: 3/31/21 10:00

Received by: Elaine Cook  
Received by: 3/31/21  
Received in Laboratory by: 3/31/21

Company: Coker Ass.  
Company: ETA  
Company: ETA

Date/Time: 3/31/21 18:14  
Date/Time: 3/31/21 18:00  
Date/Time: 3/31/21 10:00

TestAmerica Pittsburgh  
 301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

# Chain of Custody Record



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Date: 3-30-21  
 Carrier: \_\_\_\_\_  
 COC No: 2 of 2 COCs

Client Contact  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 j.abraham@southernco.com  
 Project Name: CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P.O # 18019884

Site Contact: Dawn Prell  
 Lab Contact: Shaili Brown  
 Radium 226 + 228  
 Cl, F, SO4, TDS  
 6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti  
 Perform MS / MSD ( Y / N )  
 Filtered Sample ( Y / N )  
 Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	4	1	4
EB_1 (AP-1)	3/30/2021	17:03	G	Water	5	X	X	X
FB_1 (AP-1)	3/30/2021	11:35	G	Water	5	X	X	X
DUP_1 (AP-1)	3/30/2021	----	G	Water	5	X	X	X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  
 Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC requirements & Comments:  
 S  K  Deliver to Client  Dispose by Lab  Archive for \_\_\_\_\_ Month

Custody Seal No.: \_\_\_\_\_  
 Relinquished by: Ben  
 Relinquished by: ET  
 Relinquished by: ET  
 Company: Calder Ass.  
 Company: ET  
 Company: ET  
 Date/Time: 3/31/21  
 Date/Time: 3/31/21  
 Date/Time: 3/31/21  
 Received by: Ela  
 Received by: ET  
 Received in Laboratory by: Shaili Brown  
 Company: Courier Now  
 Company: ET  
 Company: ET  
 Date/Time: 3/31/21 8:14  
 Date/Time: 3/31/21 10:00  
 Date/Time: 3-21-21 10:00

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019



Regulatory Program:  DW  NPDES  RCRA  Other:

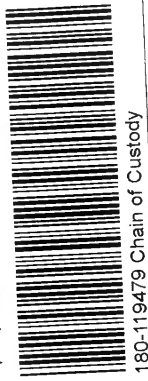
**Client Contact**  
Joju Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
JAbraham@southernco.com

**Project Name:** CCR - Plant Scherer Ash Pond  
Site: Georgia  
P O # 18019884

**Project Manager:** Dawn Prell  
Tel/Fax: 248-536-5445

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes:																
						Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti	Cl, F, SO4, TDS	Radium 226 + 228	pH= 6.31	pH= 6.44	pH= 6.32	pH= 5.24	pH= 6.25							
SGWC-6	4/1/2021	12:26	G	GW	5			X	X	X	X	X										
SGWC-7	4/1/2021	11:10	G	GW	5			X	X	X	X	X										
SGWC-8	4/1/2021	9:37	G	GW	5			X	X	X	X	X										
SGWC-16	4/1/2021	14:55	G	GW	5			X	X	X	X	X										
SGWC-17	4/1/2021	13:40	G	GW	5			X	X	X	X	X										
DUP-2 (AP-1)	4/1/2021	-----	G	GW	5			X	X	X	X	X										
EB-2 (AP-1)	4/1/2021	14:15	G	W	5			X	X	X	X	X										



**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

**Possible Hazard Identification:**  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

**Custody Seals Intact:**  Yes  No

Relinquished by: *[Signature]* Date/Time: 4/21/2021 10:45  
 Relinquished by: *[Signature]* Date/Time: 4/21/2021 17:52  
 Relinquished by: *[Signature]* Date/Time: 4/21/2021 18:00

**Received by:** *[Signature]* Date/Time: 4/21/2021 16:19  
 Received by: *[Signature]* Date/Time: 4/21/2021 17:52  
 Received in Laboratory by: *[Signature]* Date/Time: 4/21/2021 10:45

**Company:** *[Signature]* Date/Time: 4/21/2021 16:19  
 Company: *[Signature]* Date/Time: 4/21/2021 17:52  
 Company: *[Signature]* Date/Time: 4/21/2021 10:45

**Therm ID No.:** \_\_\_\_\_  
**Cooler Temp. (°C):** Obs'd: \_\_\_\_\_ Corri'd: \_\_\_\_\_

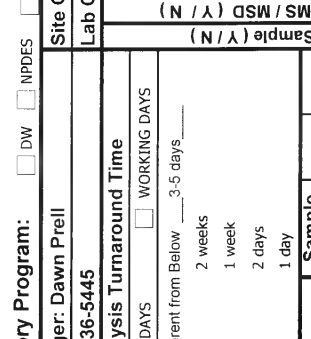




**Regulatory Program:**  DW  NPDES  RCRA  Other:  
**Project Manager:** Dawn Prell  
**Tel/Fax:** 248-536-5445  
**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below: 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
**Project Name:** CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O # 18019884

**Site Contact:** Dawn Prell  
**Date:** 03.31.2021  
**Carrier:**  
**Lab Contact:** Shail Brown  
**COC No.:** 1 of 2 COCs  
**Sampler:**  
**For Lab Use Only:**



180-119480 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:	
SGWA-3	3/31/2021	11:13	G	GW	5			X	X	X	pH= 5.72	
SGWA-4	3/31/2021	12:13	G	GW	5			X	X	X	pH= 6.33	
SGWA-5	3/31/2021	13:38	G	GW	5			X	X	X	pH= 5.50	
SGWC-9	3/31/2021	14:22	G	GW	5			X	X	X	pH= 6.20	
SGWC-10	3/31/2021	13:00	G	GW	5			X	X	X	pH= 5.30	
SGWC-11	3/31/2021	10:36	G	GW	5			X	X	X	pH= 5.10	
SGWC-12	3/31/2021	11:18	G	GW	5			X	X	X	pH= 6.11	
SGWC-13	3/31/2021	12:25	G	GW	5			X	X	X	pH= 6.02	
SGWC-15	3/31/2021	14:04	G	GW	5			X	X	X	pH= 4.77	
SGWC-22	3/31/2021	11:45	G	GW	7			X	X	X	pH= 5.73 and Extra Radium	
SGWA-23	3/31/2021	10:29	G	GW	5			X	X	X	pH= 5.93	
FB-2 (AP-1)	3/31/2021	10:30	G	GW	5			X	X	X		

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

**Possible Hazard Identification:** Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

**Special Instructions/QC Requirements & Comments:**

**Sample Disposal** (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Custody Seal No.:**  Yes  No

Relinquished by: [Signature] Date/Time: 3-21-2021 10:30  
 Relinquished by: [Signature] Date/Time: 4/1/21 8:11  
 Relinquished by: [Signature] Date/Time: 4/1/21 10:02

Company: Cedar Ass. Company: Courier Now Company: EPA Company: [Signature]  
 Received by: [Signature] Received by: [Signature] Received in Laboratory by: [Signature]

Therm ID No.: \_\_\_\_\_ Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Date/Time: 4/1/21 8:11 Date/Time: 4/1/21 10:02 Date/Time: 4-3-21

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

**TestAmerica Pittsburgh**

301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 jAbraham@southernco.com  
**Project Name:** CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O #


**Project Manager:** Dawn Prell  
 Tel/Fax: 248-536-5445

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below \_\_\_ 3-5 days \_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Dawn Prell  
**Lab Contact:** Shali Brown

**Carrier:** 4.6.2021  
 COC No.: 1 of 1 COCs

**For Lab Use Only:**  
 Walk-in Client:   
 Lab Sampling:   
 Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		Perform MS / MSD (Y / N)		Sample Specific Notes:
						6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Ti	Cl, F, SO4, TDS	Radium 226 + 228		
SGWC-14	4/6/2021	10:49	G	GW	5		X	X	X	pH= 5.84
 180-119762 Chain of Custody										

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other \_\_\_\_\_

**Possible Hazard Identification:**  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skm Irritant  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

**Special Instructions/QC Requirements & Comments:**

**Custody Seal No.:** \_\_\_\_\_  
 Relinquished by: *Jan 20*  Yes  No  
 Relinquished by: *Jan 20* Company: *Golden* Date/Time: *4/7/2021 10:00*  
 Relinquished by: *Jan 20* Company: *EPA* Date/Time: *4/7/21 10:00*  
 Relinquished by: *Jan 20* Company: *EPA* Date/Time: *4/7/21 10:00*

**Therm ID No.:** \_\_\_\_\_  
 Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Received by: *Elaine Cook* Company: *Covier Now* Date/Time: *4/7/21 8:05*  
 Received by: *Jan 20* Company: *EPA* Date/Time: *4/7/21 10:00*  
 Received in Laboratory by: *Jan 20* Company: *EPA* Date/Time: *4-9-21 9:30*

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019



TestAmerica Pittsburgh  
 301 Alpha Drive  
 RIDC Park  
 Pittsburgh, PA 15238-2907  
 phone 412.963.7058 fax 412.963.2468

# Chain of Custody Record

TestAmerica  
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445

Site Contact: Dawn Prell  
 Lab Contact: Shali Brown

COC No: \_\_\_\_\_  
 1 of 1 COCs

Sampler: \_\_\_\_\_  
 For Lab Use Only:  
 Walk-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SDG No.: \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT: if different from Below 3-5 days \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Client Contact  
 Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 j.abraham@southernco.com  
 Project Name: CCR - Plant Scherer Ash Pond  
 Site: Georgia  
 P O # \_\_\_\_\_

Filtered Sample (Y/N) \_\_\_\_\_  
 Perform MS / MSD (Y/N) \_\_\_\_\_  
 6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl  
 Cl, F, SO4, TDS  
 Radium 226 + 228

Sample Identification

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
4/7/2021	12:23	G	GW	5
4/7/2021	14:48	G	GW	5
4/7/2021	15:25	G	GW	5
4/7/2021	14:09	G	GW	5
4/7/2021	13:45	G	W	5

Sample Specific Notes:  
 pH= 5.18  
 pH= 6.44  
 pH= 6.07  
 pH= 6.12

Barcode: 180-119799 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  
 Possible Hazard Identification:  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seal No.: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

Company: Golder Ass.  
 Date/Time: 4/8/21 16:01  
 Company: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_

Company: \_\_\_\_\_  
 Date/Time: 4/8/21/10:30  
 Company: \_\_\_\_\_  
 Date/Time: 4/21/2021  
 Company: \_\_\_\_\_  
 Date/Time: 4/21/2021

Therm ID No.: \_\_\_\_\_  
 Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
 Corrd: \_\_\_\_\_



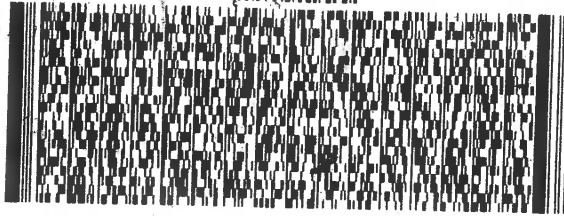


GEORGE TAYLOR (678) 966-2991  
EUROFINS TESTING AMERICA, SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP D/T: 03MAR21  
ACTWGT: 55.65 LB  
CAD: 859116/CAFE3409  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068 REF:  
INV: DEPT:



D

3 of 5  
MPS# 0263 1516 9329 0858  
Mstr# 1516 9329 0836

THU - 01 APR  
STANDARD OVERNIGHT

**UH AGCA**

0201

PA-US

Uncorrected temp  
Thermometer ID

21  
14 °C

CF 0 Initials J

PT-WI-SR-001 effective 11/8/18

ORIG  
GEOR  
EURO  
621  
SU  
NO



180-119437 Waybill

1 of 5  
TRK# 0201 1516 9329 0836  
## MASTER ##

STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp  
Thermometer ID

21  
14 °C

CF 0 Initials Y

PT-WI-SR-001 effective 11/8/18

15238  
PIT

2 of 5  
MPS# 0263 1516 9329 0847  
Mstr# 1516 9329 0836

THU - 01 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp  
Thermometer ID

23  
14 °C

CF 0 Initials J

PT-WI-SR-001 effective 11/8/18

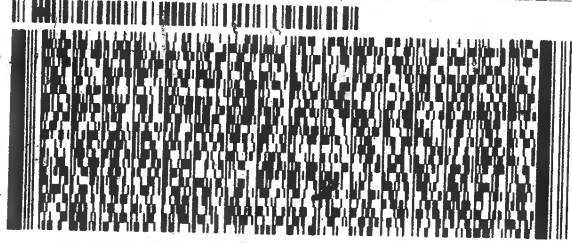
15238  
PA-US PIT

GEORGE TAYLOR (678) 966-2991  
EUROFINS TESTING AMERICA, A? SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP D/T: 03MAR21  
ACTWGT: 25.65 LB  
CAD: 859116/CAFE3409  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068 REF:  
INV: PO: DEPT:



3 of 5  
MPS# 0263 **1516 9329 0858**  
Mstr# 1516 9329 0836 0201  
THU - 01 APR  
STANDARD OVERNIGHT

**UH AGCA**

ORIG  
GEOR  
EURO  
621  
SU  
NO

Uncorrected temp  
Thermometer ID

21  
14  
8

CF 0 Initials

PT-WI-SR-001 effective 11/8/18



180-119437 Waybill

1 of 5  
TRK# 0201 **1516 9329 0836**  
## MASTER ##  
STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp  
Thermometer ID

21  
14

CF 0 Initials

PT-WI-SR-001 effective 11/8/18

15238  
PIT

2 of 5  
MPS# 0263 **1516 9329 0847**  
Mstr# 1516 9329 0836 0201  
THU - 01 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

Uncorrected temp  
Thermometer ID

23  
14

CF 0 Initials

PT-WI-SR-001 effective 11/8/18

15238  
PA-US PIT



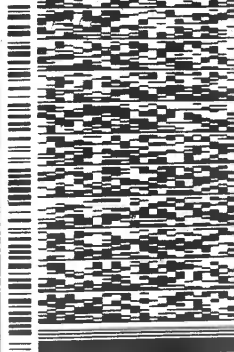
Environment Testing  
TestAmerica

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE REGIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068  
REF: GOLDER



**5 of 5**  
MPS# **1516 9329 2107**  
0263  
Mstr# 1516 9329 2060 [0201]

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

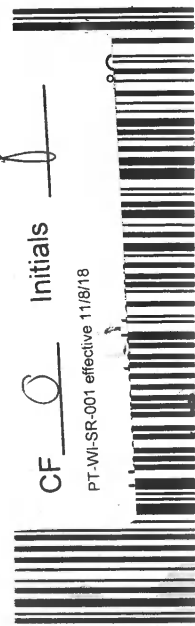
**XO AGCA**

Uncorrected temp  
Thermometer ID

37  
14

CF    Initials   

PT-WI-SR-001 effective 11/8/18



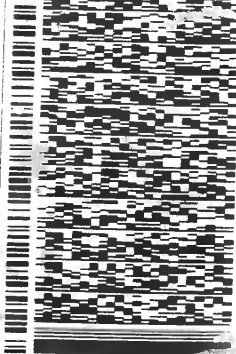
3-434 RIT2 EXP 11/21

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE REGIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**  
(412) 963-7068  
REF: GOLDER



**2 of 5**  
MPS# **1516 9329 2070**  
63  
Mstr# 1516 9329 2060 [0201]

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO AGCA**

Uncorrected temp  
Thermometer ID

37  
14

CF    Initials   

PT-WI-SR-001 effective 11/8/18



180-119479 Waybill



**DR**

RT 639  
ST 12

5 12:00 A  
2092  
04.03

FedEx Express

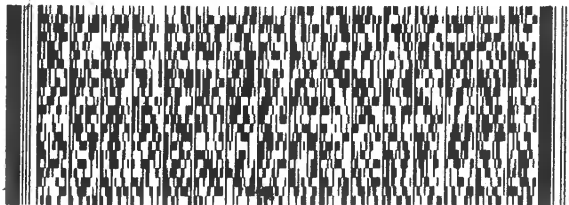
ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWTG: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7068  
REF: **GOLDER**



FedEx Express



J2011201216014

4 of 5

MPS# 1516 9329 2092

Mstr# 1516 9329 2060

0201

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO AGCA**

**15238**  
**PA-US PIT**

Uncorrected temp  
Thermometer ID

29 C

CF B Initials 8

PT-WI-SR-001 effective 11/8/18



1  
2  
3  
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5  
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7  
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9  
10  
11  
12  
13



eurotin

ST 12  
Rt 63

ment  
erica

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

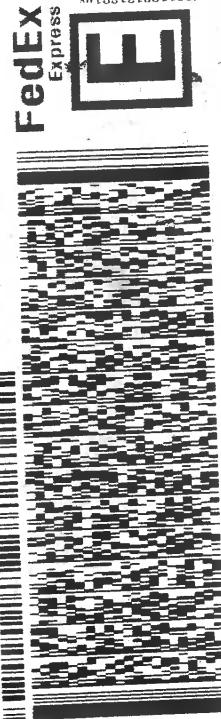
ORIGIN ID: LIYA (678) 966  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 02APR21  
ACTWGT: 60.40 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT  
TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 968 - 7068  
REF: GOLDER

(412) 968 - 7068  
REF: GOLDER



1 of 5  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

TRK# 1516 9329 2060  
0201  
## MASTER #

15238  
PA-US  
PIT

XO AGCA

Uncorrected temp  
Thermometer ID  
CF 0  
Initials  
PT-WI-SR-001 effective 11/8/18

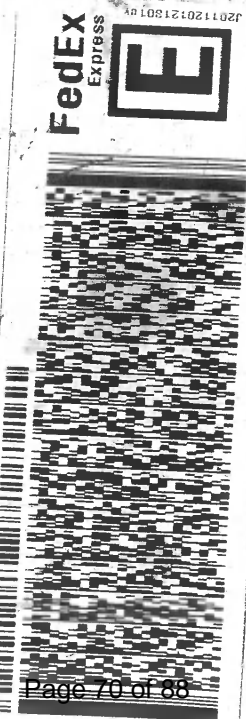
FedEx  
Environment Testing  
TestAmerica

eurotin

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

BILL RECIPIENT  
TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 968 - 7068  
REF: GOLDER



3 of 5  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

MPS# 1516 9329 2081  
0263  
Mstr# 1516 9329 2060  
0201

15238  
PA-US  
PIT

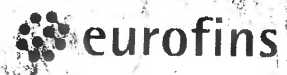
XO AGCA

Uncorrected temp  
Thermometer ID  
CF 0  
Initials  
PT-WI-SR-001 effective 11/8/18

- 1
- 2
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**Do Not Lift Using This Ta**



Environment  
TestAm

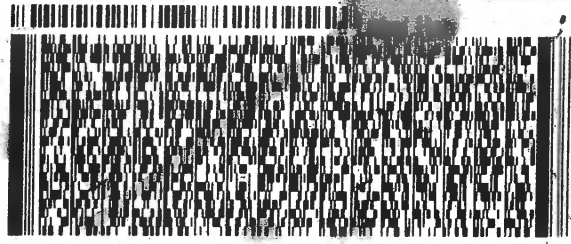
RT **297** 16:30  
FZ

ORIGIN ID:LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SH DATE: 01APR21  
ACTWT: 59.30 LB  
CAD: 859116/CAFE3409  
BILL RECIPIENT

TO **SAMPLE RECIEVING**  
**EUROFINS TESTAMERICA PITTSBURGH**  
**301 ALPHA DR.**  
**RIDC PARK**  
**PITTSBURGH PA 15238**

(412) 963-7058  
REF: GOLDER



2 of 3  
MPS# 0263 **1516 9329 1269**  
Mstr# 1516 9329 1258

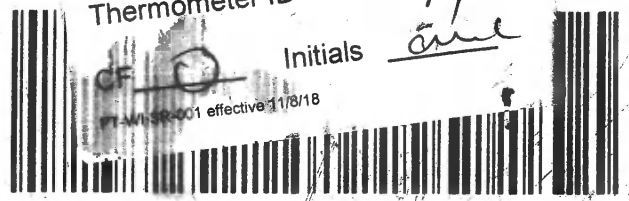
**FRI - 02 APR 4:30P**  
**STANDARD OVERNIGHT**

**UH AGCA**

**15238**  
us **PIT**

Uncorrected temp  
Thermometer ID

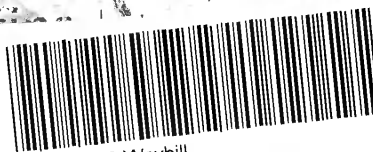
3.1 °C  
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Initials *and*





Do Not Lift Using This Tag

eu office



180-119480 Waybill

Part # 1122 EXP

ORIGIN ID: 180-119480 (83) 966-9991      DATE: 01APR21  
 GEORGE TAYLOR      WEIGHT: 9.30 LB  
 EUNY INS TFCY W/SMPL      TRACKING: 85916/CAFE3403  
 6215 REGEN PARKWAY NW  
 SUITE 900      BILL TO CLIENT  
 DORCROSS, GA 300  
 UNITED STATES US

SAMPLE      VIL  
 EUNY INS TFCY AMERICA PITTSBURGH  
 301 ALFORD DR  
 WDC PARK  
 PITTSBURGH PA 15230

REF: GOLDR



1 of 3      FRI - 02 APR 4:30P  
 TRK# 1516 9329 1258      STANDARD OVERNIGHT  
 0201  
 ## MASTER ##

**UH AGCA**

15230 PA-US PII

Uncorrected temp \_\_\_\_\_  
 Thermometer ID \_\_\_\_\_  
 CF    Initials   

PT-WI-SR-001 effective 11/8/18



FedEx®



180-119762 Waybill

eurofir

10:30 A  
2747  
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ment Testing  
erica

Part # 159469-434 RITZ EXP 11/21

RT 97

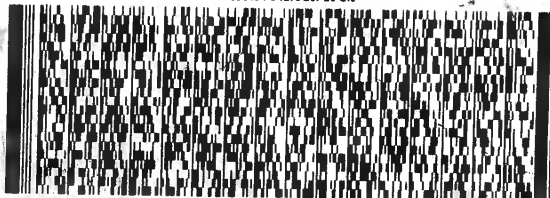
ORIGIN ID: LIY FZ 366-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA AT SC  
6215 REGENCY PARKWAY  
SUITE 900  
CROSSVILLE, TN 30071  
UNITED STATES, US

SHIP DATE: 07 APR 11  
ACT WGT: 56.25  
LOAD: 033116/0402

BILL RECIPIENT

SAMPLE RECIEVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

(412) 963-7058  
REF: GOLDER - GPC



FedEx  
Express



10812-021021

TRK# 1516 9329 2747  
0201

THU - 08 APR 10:30A  
PRIORITY OVERNIGHT

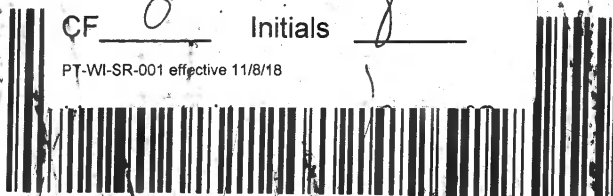
NA AGCA  
Uncorrected temp  
Thermometer ID

3.4 °C  
14

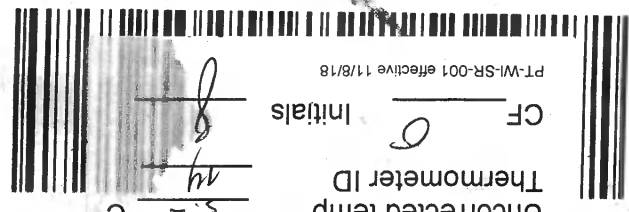
15238  
PIT

CF 0 Initials

PT-WI-SR-001 effective 11/8/18



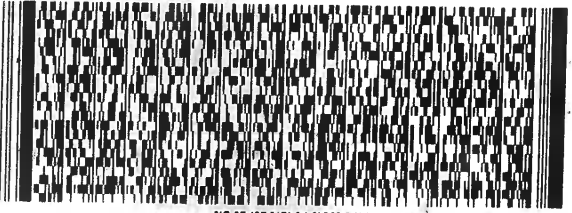
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Uncorrected temp 3.2 °C  
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CF Initials  
PT-WI-SR-001 effective 11/8/18

**NA AGCA**

15238 PIT PA-US  
FRI - 09 APR 10:30A  
MPS# 1516 9329 3066  
Mstr# 1516 9329 3044  
0201

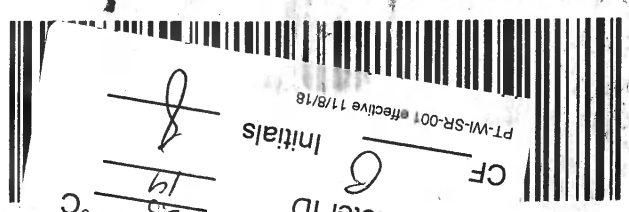


**FedEx Express**

10 SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
REF: GOLDER - PLT SCHERER  
(412) 963-7068

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NM  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

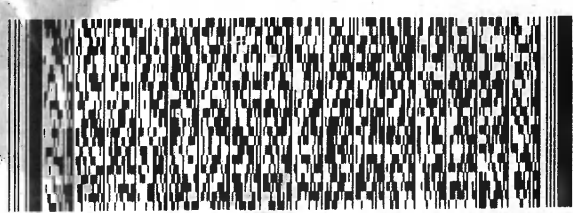
SHIP DATE: 08APR21  
ACTWGT: 40.45 LB  
CAD: 859116/CAFE3409



Uncorrected temp 3.5 °C  
Thermometer ID  
CF Initials  
PT-WI-SR-001 effective 11/8/18

**NA AGCA**

15238 PIT PA-US  
FRI - 09 APR 10:30A  
TRK# 1516 9329 3044  
0201  
1 of 3  
# MASTER #



**FedEx Express**

10 SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
REF: GOLDER - PLT SCHERER  
(412) 963-7068

ORIGIN ID: LIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NM  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

SHIP DATE: 08APR21  
ACTWGT: 40.45 LB  
CAD: 859116/CAFE3409



**eurofins**

Environment Testing  
TestAmerica

Part # 159469-434 RIT2 EXP 11/21

Part # 159469-434 RIT2 EXP 11/21

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Do Not Lift Using This Tag

Part # 159469-434 RITZ EXP 11/21



Environment Testing  
TestAmerica

ORIGIN ID: LYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NM  
SUITE 900  
NORCROSS, GA 30071  
UNITED STATES US

BILL RECIPIENT

SHIP DATE: 08APR21  
ACTWGT: 40.45 LB  
CAD: 859116/CAFE3409

10 SAMPLE RECEIVING

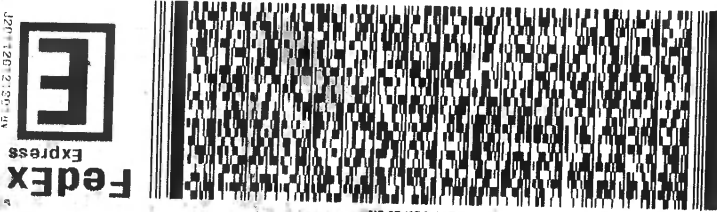
EUROFINS TESTAMERICA PITTSBURGH

301 ALPHA DR.

RIDC PARK

PITTSBURGH PA 15238

REF: GOLDR - PLT SCHERER  
(412) 963-7058



MPS# 1516 9329 3055  
Mstr# 1516 9329 3044  
2 of 3  
FRI - 09 APR 10:30A  
PRIORITY OVERNIGHT

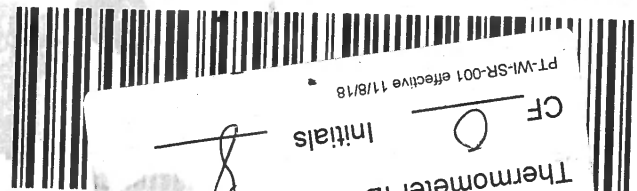
NA AGCA

15238  
PIT 1-US °C

Uncorrected temp  
Thermometer ID

Initials

CF  
3/14



PT-M-SR-001 effective 11/8/18

# Chain of Custody Record



Environment Testing  
 America



<b>Client Information (Sub Contract Lab)</b>		Sampler: Brown, Shall		Lab P.M.: Brown, Shall		Carmer Tracking No(s): 180-431047.1		COC No: 180-431047.1	
Client Contact: Shipping/Receiving		Phone:		E-Mail: Shall.Brown@Eurofins.com		State of Origin: Georgia		Page: Page 1 of 2	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North,		City: Earth City		State, Zip: MO, 63045		Job #: 180-119437-2	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:		WO #:		Project #: 18019884		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - H2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA L - EDA Z - other (specify) Other:	
Email:		Site: CCR Plant Scherer		Due Date Requested: 4/16/2021		TAT Requested (days):		Analysis Requested	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=solid, O=wastwater, BT=Tissue, A=Air)	
SGWA-1 (180-119437-1)		3/30/21		12:49 Eastern		Water		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	
SGWA-2 (180-119437-2)		3/30/21		13:47 Eastern		Water		Form MS/MSD (Yes or No) <input checked="" type="checkbox"/>	
SGWC-6 (180-119437-3)		3/30/21		11:40 Eastern		Water		915_Ra226/PreCsep_21 Standard Target List <input checked="" type="checkbox"/>	
SGWC-7 (180-119437-4)		3/30/21		10:34 Eastern		Water		930_Ra226/PreCsep_0 Standard Target List <input checked="" type="checkbox"/>	
SGWC-18 (180-119437-5)		3/30/21		11:00 Eastern		Water		Total Number of Containers <input checked="" type="checkbox"/>	
SGWC-19 (180-119437-6)		3/30/21		16:02 Eastern		Water		Special Instructions/Note:	
SGWC-20 (180-119437-7)		3/30/21		12:50 Eastern		Water			
SGWC-21 (180-119437-8)		3/30/21		14:15 Eastern		Water			
SGWA-24 (180-119437-9)		3/30/21		11:43 Eastern		Water			
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>									
<b>Possible Hazard Identification</b>									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2									
Empty Kit Relinquished by: _____ Date: _____									
Relinquished by: _____ Date/Time: _____									
Relinquished by: _____ Date/Time: _____									
Relinquished by: _____ Date/Time: _____									
Custody Seals Intact: _____ Custody Seal No.: _____									
Cooler Temperature(s) °C and Other Remarks: _____									





# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-431047.2																																																												
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2																																																												
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): 180-119437-2																																																														
Address: 13715 Rider Trail North,		<b>Analysis Requested</b>																																																														
City: Earth City	Due Date Requested: 4/16/2021	<table border="1"> <tr> <th>Sample ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=swab/soil, BT=Tissue, AS=)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>9315_Ra226/PreSep_21 Standard Target List</th> <th>9320_Ra228/PreSep_0 Standard Target List</th> <th>Ra226Ra228_GFPc</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> <tr> <td>EB_1(AP-1) (180-119437-11)</td> <td>3/30/21</td> <td>17:03 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>FB_1(AP-1) (180-119437-12)</td> <td>3/30/21</td> <td>11:35 Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>DUP_1(AP-1) (180-119437-13)</td> <td>3/30/21</td> <td>Eastern</td> <td>Water</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=swab/soil, BT=Tissue, AS=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PreSep_21 Standard Target List	9320_Ra228/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:	EB_1(AP-1) (180-119437-11)	3/30/21	17:03 Eastern	Water	Water	X	X	X	X		1		FB_1(AP-1) (180-119437-12)	3/30/21	11:35 Eastern	Water	Water	X	X	X	X		1		DUP_1(AP-1) (180-119437-13)	3/30/21	Eastern	Water	Water	X	X	X	X		1													
Sample ID (Lab ID)	Sample Date				Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=swab/soil, BT=Tissue, AS=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PreSep_21 Standard Target List	9320_Ra228/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:																																																		
EB_1(AP-1) (180-119437-11)	3/30/21				17:03 Eastern	Water	Water	X	X	X	X		1																																																			
FB_1(AP-1) (180-119437-12)	3/30/21				11:35 Eastern	Water	Water	X	X	X	X		1																																																			
DUP_1(AP-1) (180-119437-13)	3/30/21				Eastern	Water	Water	X	X	X	X		1																																																			
State, Zip: MO, 63045	TAT Requested (days):	Preservation Codes: A - HCL M - Hexane N - None B - NaOH O - AsNaO2 P - Na2OAS D - Nitric Acid E - NH4SO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																														
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:	Analysis Requested: M - Hexane N - None B - NaOH O - AsNaO2 P - Na2OAS D - Nitric Acid E - NH4SO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																														
Email: Project Name: Plant Scherer Ash Pond	WO #:	Analysis Requested: M - Hexane N - None B - NaOH O - AsNaO2 P - Na2OAS D - Nitric Acid E - NH4SO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																														
Site: CCR Plant Scherer	Project #: 18019884	Analysis Requested: M - Hexane N - None B - NaOH O - AsNaO2 P - Na2OAS D - Nitric Acid E - NH4SO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																														
SSOW#:		Analysis Requested: M - Hexane N - None B - NaOH O - AsNaO2 P - Na2OAS D - Nitric Acid E - NH4SO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																														
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.																																																																
<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested: I, II, III, IV Other (specify) _____ Primary Deliverable Rank: 2																																																																
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																
Special Instructions/QC Requirements:																																																																
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____																																																																

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119437**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119437**

**List Number: 2**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/06/21 02:13 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119479**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119479**

**List Number: 2**

**Creator: Worthington, Sierra M**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/07/21 01:35 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119480**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119480**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 2**

**Creator: Kovitch, Christina M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119480**

**List Source: Eurofins TestAmerica, St. Louis**

**List Number: 3**

**List Creation: 04/07/21 01:35 PM**

**Creator: Worthington, Sierra M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119762**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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.	False	
Is the Field Sampler's name present on COC?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119762**

**List Number: 2**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/14/21 06:26 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	True	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119799**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

**Login Number: 119799**

**List Number: 2**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/14/21 06:29 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	True	



**APPENDIX A**

Laboratory Analytical Data  
Additional Sampling  
March-April 2021

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119482-1

Client Project/Site: Plant Scherer AP-1 Risk Assessment

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/16/2021 6:38:12 AM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

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**Job ID: 180-119482-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-119482-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/3/2021 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

**Field Service / Mobile Lab**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119482-1	PZ-13S	Water	04/02/21 09:55	04/03/21 10:45	
180-119482-2	PZ-14I	Water	04/02/21 10:11	04/03/21 10:45	
180-119482-3	PZ-14S	Water	04/02/21 10:19	04/03/21 10:45	
180-119482-4	PZ-25S	Water	04/02/21 10:15	04/03/21 10:45	
180-119482-5	PZ-39S	Water	04/02/21 11:39	04/03/21 10:45	
180-119482-6	EB PZ	Water	04/02/21 12:55	04/03/21 10:45	
180-119482-7	FB PZ	Water	04/02/21 09:50	04/03/21 10:45	
180-119482-8	DUP PZ	Water	04/02/21 00:00	04/03/21 10:45	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### 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:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Client Sample ID: PZ-13S

Lab Sample ID: 180-119482-1

Date Collected: 04/02/21 09:55

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:32	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 09:55	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: PZ-14I

Lab Sample ID: 180-119482-2

Date Collected: 04/02/21 10:11

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:36	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 10:11	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: PZ-14S

Lab Sample ID: 180-119482-3

Date Collected: 04/02/21 10:19

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:40	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 10:19	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: PZ-25S

Lab Sample ID: 180-119482-4

Date Collected: 04/02/21 10:15

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:43	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 10:15	FDS	TAL PIT
		Instrument ID: NOEQUIP								

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Client Sample ID: PZ-39S

Date Collected: 04/02/21 11:39

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119482-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:47	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 11:39	FDS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: EB PZ

Date Collected: 04/02/21 12:55

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119482-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:50	RSK	TAL PIT
		Instrument ID: A								

## Client Sample ID: FB PZ

Date Collected: 04/02/21 09:50

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119482-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 13:54	RSK	TAL PIT
		Instrument ID: A								

## Client Sample ID: DUP PZ

Date Collected: 04/02/21 00:00

Date Received: 04/03/21 10:45

## Lab Sample ID: 180-119482-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			352969	04/13/21 14:05	RSK	TAL PIT
		Instrument ID: A								
Total Recoverable	Prep	3005A			50 mL	50 mL	352068	04/06/21 12:04	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353144	04/14/21 12:21	RSK	TAL PIT
		Instrument ID: A								

**Laboratory References:**

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

Batch Type: Analysis

FDS = Sampler Field

RSK = Robert Kurtz

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: PZ-13S**

**Lab Sample ID: 180-119482-1**

Date Collected: 04/02/21 09:55

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0070		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.03				SU			04/02/21 09:55	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: PZ-14I**

**Lab Sample ID: 180-119482-2**

Date Collected: 04/02/21 10:11

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00023	J	0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:36	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 13:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.42				SU			04/02/21 10:11	1





# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: PZ-14S**

**Lab Sample ID: 180-119482-3**

Date Collected: 04/02/21 10:19

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00019	J	0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 13:40	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.38				SU			04/02/21 10:19	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: PZ-25S**

**Lab Sample ID: 180-119482-4**

Date Collected: 04/02/21 10:15

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.012		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:43	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.56				SU			04/02/21 10:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: PZ-39S**

**Lab Sample ID: 180-119482-5**

Date Collected: 04/02/21 11:39

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00030	J	0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:47	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.62				SU			04/02/21 11:39	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: EB PZ**

**Lab Sample ID: 180-119482-6**

**Date Collected: 04/02/21 12:55**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/06/21 12:04	04/13/21 13:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:50	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 13:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: FB PZ**

**Lab Sample ID: 180-119482-7**

**Date Collected: 04/02/21 09:50**

**Matrix: Water**

**Date Received: 04/03/21 10:45**

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/06/21 12:04	04/13/21 13:54	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:54	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 13:54	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

**Client Sample ID: DUP PZ**

**Lab Sample ID: 180-119482-8**

Date Collected: 04/02/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.064	J B	0.080	0.039	mg/L		04/06/21 12:04	04/14/21 12:21	1
Cobalt	0.0072		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 14:05	1
Lithium	0.0038	J	0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 14:05	1



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-352068/1-A**  
**Matrix: Water**  
**Analysis Batch: 352969**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/06/21 12:04	04/13/21 13:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/06/21 12:04	04/13/21 13:14	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/06/21 12:04	04/13/21 13:14	1

**Lab Sample ID: MB 180-352068/1-A**  
**Matrix: Water**  
**Analysis Batch: 353144**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0430	J	0.080	0.039	mg/L		04/06/21 12:04	04/14/21 12:14	1

**Lab Sample ID: LCS 180-352068/2-A**  
**Matrix: Water**  
**Analysis Batch: 352969**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.27		mg/L		102	80 - 120
Cobalt	0.500	0.515		mg/L		103	80 - 120
Lithium	0.500	0.494		mg/L		99	80 - 120

**Lab Sample ID: LCS 180-352068/2-A**  
**Matrix: Water**  
**Analysis Batch: 353144**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.12		mg/L		89	80 - 120

**Lab Sample ID: 180-118997-F-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 352969**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.00087	J	0.500	0.517		mg/L		103	75 - 125
Lithium	0.0040	J	0.500	0.491		mg/L		97	75 - 125

**Lab Sample ID: 180-118997-F-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 352969**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 352068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	0.00087	J	0.500	0.538		mg/L		107	75 - 125	4	20
Lithium	0.0040	J	0.500	0.503		mg/L		100	75 - 125	2	20



# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119482-1

## Metals

### Prep Batch: 352068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119482-1	PZ-13S	Total Recoverable	Water	3005A	
180-119482-2	PZ-14I	Total Recoverable	Water	3005A	
180-119482-3	PZ-14S	Total Recoverable	Water	3005A	
180-119482-4	PZ-25S	Total Recoverable	Water	3005A	
180-119482-5	PZ-39S	Total Recoverable	Water	3005A	
180-119482-6	EB PZ	Total Recoverable	Water	3005A	
180-119482-7	FB PZ	Total Recoverable	Water	3005A	
180-119482-8	DUP PZ	Total Recoverable	Water	3005A	
MB 180-352068/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-352068/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118997-F-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-118997-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 352969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119482-1	PZ-13S	Total Recoverable	Water	EPA 6020B	352068
180-119482-2	PZ-14I	Total Recoverable	Water	EPA 6020B	352068
180-119482-3	PZ-14S	Total Recoverable	Water	EPA 6020B	352068
180-119482-4	PZ-25S	Total Recoverable	Water	EPA 6020B	352068
180-119482-5	PZ-39S	Total Recoverable	Water	EPA 6020B	352068
180-119482-6	EB PZ	Total Recoverable	Water	EPA 6020B	352068
180-119482-7	FB PZ	Total Recoverable	Water	EPA 6020B	352068
180-119482-8	DUP PZ	Total Recoverable	Water	EPA 6020B	352068
MB 180-352068/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	352068
LCS 180-352068/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	352068
180-118997-F-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	352068
180-118997-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	352068

### Analysis Batch: 353144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119482-8	DUP PZ	Total Recoverable	Water	EPA 6020B	352068
MB 180-352068/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	352068
LCS 180-352068/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	352068

## Field Service / Mobile Lab

### Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119482-1	PZ-13S	Total/NA	Water	Field Sampling	
180-119482-2	PZ-14I	Total/NA	Water	Field Sampling	
180-119482-3	PZ-14S	Total/NA	Water	Field Sampling	
180-119482-4	PZ-25S	Total/NA	Water	Field Sampling	
180-119482-5	PZ-39S	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238-2907

phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



Regulatory Program:  DW  NPDES  RCRA  Other:

**Client Contact**  
Joju Abraham  
Southern Company  
241 Ralph McGill Blvd SE B10185  
Atlanta, GA 30308  
jAbraham@southernco.com

**Project Name: CCR - AP-1 Risk Assessment**  
Site: Georgia  
P O # 18019884

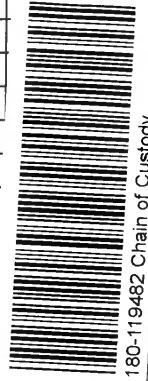
**Project Manager: Dawn Prell**  
Tel/Fax: 248-536-5445

**Analysis Turnaround Time**  
 1/2 CALENDAR WORKING DAYS  
 TAT if different from Below 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact: Dawn Prell**  
**Lab Contact: Shali Brown**  
**Date: 4.2.2021**  
**Carrier:**

**TestAmerica Labo**  
COC No: 1 of 1 OC

Sample Identification	Sample Date	Sample Time	Sample Type (c=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)			Perform MS / MSD (Y / N)			Sample Specific
						Cobalt	Lithium	Boron	Cobalt	Lithium	Boron	
PZ-13S	4/2/2021	9:55	G	GW	1	X			X			pH= 5.03
PZ-14I	4/2/2021	10:11	G	GW	1	X	X		X	X		pH= 6.42
PZ-14S	4/2/2021	10:19	G	GW	1	X	X		X	X		pH= 5.38
PZ-25S	4/2/2021	10:15	G	GW	1	X			X			pH= 5.56
PZ-39S	4/2/2021	11:39	G	GW	1	X			X			pH= 6.62
EB_PZ	4/2/2021	12:55	G	Water	1	X	X	X				
FB_PZ	4/2/2021	09:50	G	Water	1	X	X	X				
DUP_PZ	4/2/2021	-----	G	GW	1	X	X	X				



**Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other**

**Possible Hazard Identification:**  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Poison B  Unknown

Return to Client  Disposal by Lab  Archive for Months

**Special Instructions/QC Requirements & Comments:**

**Custody Seals Intact:**

**Relinquished by:** [Signature] Company: [Signature] Date/Time: 4/2/21 16:19

**Relinquished by:** [Signature] Company: [Signature] Date/Time: 4/2/21 17:57

**Relinquished by:** [Signature] Company: [Signature] Date/Time: 4/2/21 18:00

**Received by:** [Signature] Company: [Signature] Date/Time: 4/2/21 16:19

**Received by:** [Signature] Company: [Signature] Date/Time: 4/2/21 17:57

**Received by:** [Signature] Company: [Signature] Date/Time: 4/2/21 18:00

**Therm ID No.:**

Form No. CA-C-WI-002, Rev. 4/2015





Do Not Lift Using This Top



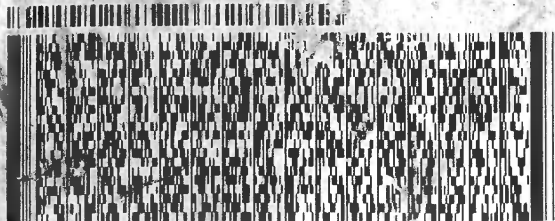
180-119482 Waybill

Part # 11-2011-112 EXP

ORIGIN ID: 180-119482 (813) 968-9991  
GEORGE TAYLOR  
EQUIP INS TECH INC  
6215 REGENCY PARKWAY NW  
SUITE 900  
DORCROSS, GA 30095  
UNITED STATES USA

SHIP DATE: 01APR21  
WEIGHT: 3.30 LB  
CLASS: 85916/CAFE3403  
BILL ELEMENT

SAMPLE  
EQUIPMENT AMERICAN  
301 ALPINE DR  
HDC PARK  
PITTSBURGH PA 15238  
(412) 963-7068  
REF: GOLDR



1 of 3  
TRK# 1516 9329 1258  
0201  
## MASTER ##

FRI - 02 APR 4:30P  
STANDARD OVERNIGHT

**UH AGCA**

15238  
PA-US PIT

Uncorrected temp \_\_\_\_\_  
Thermometer ID \_\_\_\_\_

CF \_\_\_\_\_ Initials \_\_\_\_\_

PT-WI-SR-001 effective 11/8/18

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119482-1

**Login Number: 119482**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119609-1

Client Project/Site: Plant Scherer AP-1 Risk Assessment

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/21/2021 10:32:39 AM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

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**Job ID: 180-119609-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative  
180-119609-1**

**Comments**

No additional comments.

**Receipt**

The sample was received on 4/7/2021 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

**Metals**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Field Service / Mobile Lab**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

- 1
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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119609-1	PZ-41S	Water	04/05/21 12:36	04/07/21 09:30	

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# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### 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:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

**Client Sample ID: PZ-41S**

**Lab Sample ID: 180-119609-1**

**Date Collected: 04/05/21 12:36**

**Matrix: Water**

**Date Received: 04/07/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 14:23	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 12:36	FDS	TAL PIT
	Instrument ID: NOEQUIP									

## Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

**Client Sample ID: PZ-41S**  
 Date Collected: 04/05/21 12:36  
 Date Received: 04/07/21 09:30

**Lab Sample ID: 180-119609-1**  
 Matrix: Water

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.2		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:23	1
Cobalt	0.0012	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:23	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.96				SU			04/05/21 12:36	1



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

## Method: EPA 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 180-353689/1-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 19:17	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 19:17	1

**Lab Sample ID: LCS 180-353689/2-A**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 353689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.16		mg/L		92	80 - 120
Cobalt	0.500	0.546		mg/L		109	80 - 120

**Lab Sample ID: 180-118908-D-10-E MS**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.051	J	1.25	1.21		mg/L		93	75 - 125
Cobalt	<0.00013		0.500	0.532		mg/L		106	75 - 125

**Lab Sample ID: 180-118908-D-10-F MSD**  
**Matrix: Water**  
**Analysis Batch: 353919**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 353689**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.051	J	1.25	1.23		mg/L		94	75 - 125	2	20
Cobalt	<0.00013		0.500	0.528		mg/L		106	75 - 125	1	20



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119609-1

## Metals

### Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119609-1	PZ-41S	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

### Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119609-1	PZ-41S	Total Recoverable	Water	EPA 6020B	353689
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689

## Field Service / Mobile Lab

### Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119609-1	PZ-41S	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**

301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238-2907

phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**



Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

TestAmerica Labor

COC No: 1 of 1 C  
Sampler: \_\_\_\_\_  
For Lab Use Only:  
Walk-in Client:  
Lab Sampling:  
Job / SDG No.: \_\_\_\_\_  
Date: 4.5.2021  
Carrier: \_\_\_\_\_  
Site Contact: Dawn Prell  
Lab Contact: Shali Brown

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Cobalt	Lithium	Boron
PZ-41S	4/5/2021	12:36	G	GW	1			X		X



Project Manager: Dawn Prell  
Tel/Fax: 248-536-5445  
Analysis Turnaround Time  
TAT if different from Below 3-5 days  
 2 weeks  
 1 week  
 2 days  
 1 day  
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other  
Possible Hazard Identification: \_\_\_\_\_  
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Poison B  Unknown  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seal No. \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: 4/6/21 8:07  
Relinquished by: Golden Date: 4/6/21 10:00  
Relinquished by: \_\_\_\_\_ Date: 4/21/21 9:30  
Received by: Shali Brown Company: ETA  
Received by: Shali Brown Company: ETA  
Received in Laboratory by: Shali Brown Company: ETA

Form No. CA-C-WI-002, Rev. 4.20, da

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## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119609-1

**Login Number: 119609**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric**

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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-119800-1

Client Project/Site: Plant Scherer AP-1 Risk Assessment

**For:**

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

Attn: Joju Abraham



Authorized for release by:  
4/26/2021 6:15:56 PM

Shali Brown, Project Manager II  
(615)301-5031  
[Shali.Brown@Eurofinset.com](mailto:Shali.Brown@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

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**Job ID: 180-119800-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative  
180-119800-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.2° C and 3.5° C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

**Metals**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Field Service / Mobile Lab**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

## Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	004498	07-31-21
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21 *
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Pittsburgh

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119800-1	PZ-43S	Water	04/07/21 12:20	04/09/21 09:30	
180-119800-2	PZ-44I	Water	04/07/21 13:33	04/09/21 09:30	

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# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL CAN
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CAN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

#### 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:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

**Client Sample ID: PZ-43S**  
**Date Collected: 04/07/21 12:20**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119800-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	482182	04/21/21 14:00	MRL	TAL CAN
Total Recoverable	Analysis	6020B		1			482358	04/22/21 12:41	DTN	TAL CAN
Instrument ID: I14										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 12:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: PZ-44I**  
**Date Collected: 04/07/21 13:33**  
**Date Received: 04/09/21 09:30**

**Lab Sample ID: 180-119800-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 19:31	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 13:33	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396  
 TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL CAN  
 Batch Type: Prep  
     MRL = Matthew Loeb  
 Batch Type: Analysis  
     DTN = Diem Nguyen  
 Lab: TAL PIT  
 Batch Type: Prep  
     KEM = Kimberly Mahoney  
 Batch Type: Analysis  
     FDS = Sampler Field  
     RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

**Client Sample ID: PZ-43S**

**Lab Sample ID: 180-119800-1**

Date Collected: 04/07/21 12:20

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00097	J	0.0025	0.00019	mg/L		04/21/21 14:00	04/22/21 12:41	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.28				SU			04/07/21 12:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

**Client Sample ID: PZ-44I**

**Lab Sample ID: 180-119800-2**

Date Collected: 04/07/21 13:33

Matrix: Water

Date Received: 04/09/21 09:30

**Method: EPA 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.020		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 19:31	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.04				SU			04/07/21 13:33	1



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

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

Lab Sample ID: MB 240-482182/1-A  
 Matrix: Water  
 Analysis Batch: 482358

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 482182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00019		0.0025	0.00019	mg/L		04/21/21 14:00	04/22/21 12:34	1

## Method: EPA 6020B - Metals (ICP/MS)

Lab Sample ID: MB 180-353880/1-A  
 Matrix: Water  
 Analysis Batch: 354448

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 353880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0034		0.0050	0.0034	mg/L		04/20/21 17:54	04/23/21 17:43	1

Lab Sample ID: LCS 180-353880/2-A  
 Matrix: Water  
 Analysis Batch: 354448

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 353880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.484		mg/L		97	80 - 120

Lab Sample ID: 180-119761-B-1-B MS  
 Matrix: Water  
 Analysis Batch: 354448

Client Sample ID: Matrix Spike  
 Prep Type: Total Recoverable  
 Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	<0.0034		0.500	0.490		mg/L		98	75 - 125

Lab Sample ID: 180-119761-B-1-C MSD  
 Matrix: Water  
 Analysis Batch: 354448

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total Recoverable  
 Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	<0.0034		0.500	0.495		mg/L		99	75 - 125	1	20

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Scherer AP-1 Risk Assessment

Job ID: 180-119800-1

## Metals

### Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119800-2	PZ-44I	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119800-2	PZ-44I	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

### Prep Batch: 482182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119800-1	PZ-43S	Total Recoverable	Water	3005A	
MB 240-482182/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-482182/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-147814-O-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
240-147814-O-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 482358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119800-1	PZ-43S	Total Recoverable	Water	6020B	482182
MB 240-482182/1-A	Method Blank	Total Recoverable	Water	6020B	482182
LCS 240-482182/3-A	Lab Control Sample	Total Recoverable	Water	6020B	482182
240-147814-O-2-B MS	Matrix Spike	Total Recoverable	Water	6020B	482182
240-147814-O-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	482182

## Field Service / Mobile Lab

### Analysis Batch: 352774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119800-1	PZ-43S	Total/NA	Water	Field Sampling	
180-119800-2	PZ-44I	Total/NA	Water	Field Sampling	

**Chain of Custody Record**

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

Client Contact: Joju Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE B10185  
 Atlanta, GA 30308  
 JAbraham@southernco.com  
 Project Name: CCR - Plant Scherer - AP-1 Risk Assessment  
 Site: Georgia  
 P O # \_\_\_\_\_

Project Manager: Dawn Prell  
 Tel/Fax: 248-536-5445  
 Analysis Turnaround Time  
 TAT if different from Below:  3-5 days  1 week  2 weeks  1 day  2 days

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Performs MS/MSD (Y/N)		Carrier	Date: 4.7.2021	COC No: 1 of 1 COCs
						Lithium	Boron	Cobalt	Lithium			
PZ-43S	4/7/2021	12:20	G	GW	1		X					
PZ-44I	4/7/2021	13:33	G	GW	1		X					



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other  
 Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:  
 Custody Seals Intact:  Yes  No  
 Relinquished by: [Signature]  
 Relinquished by: [Signature] 4/8/21 10:36  
 Relinquished by: [Signature] 4/8/21 16:00  
 Received by: [Signature] 4/8/21 10:36  
 Received by: [Signature] 4/8/21 16:00  
 Received in Laboratory by: [Signature] 4/8/21 16:00



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119800-1

**Login Number: 119800**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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?	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**APPENDIX A**  
**Laboratory Accreditation**

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM

Certifies That

02-00416

**Eurofins TestAmerica Laboratories Pittsburgh**

**301 Alpha Drive, Pittsburgh, PA, 15238**

Having duly met the requirement of

The act of June 29, 2002 (P.L. 596, No. 90)

dealing with Environmental Laboratories Accreditation

(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

**Accredited Laboratory**

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: **04/30/2022**

Certificate Number: **018**



*Annamarie Beach*

Annamarie Beach, Chief  
Laboratory Accreditation Program  
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program  
Certificate not transferable Surrender upon revocation  
To be conspicuously displayed at the Laboratory  
Not valid unless accompanied by a valid Scope of Accreditation  
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania  
Customers are urged to verify the laboratory's current accreditation status  
PA DEP is a NELAP recognized accreditation body

Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	03/04/2013
EPA 120.1		Conductivity	NELAP	PA	11/15/2011
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	12/05/2013
EPA 160.4		Residue, volatile	NELAP	PA	02/03/2016
EPA 1664	A	Non-polar material	NELAP	PA	08/24/2005
EPA 1664	A	Oil and grease	NELAP	PA	04/07/2005
EPA 1664	B	Non-polar material	NELAP	PA	01/10/2014
EPA 1664	B	Oil and grease	NELAP	PA	01/10/2014
EPA 180.1		Turbidity	NELAP	PA	08/26/2006
EPA 200.7	4.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Antimony	NELAP	PA	04/07/2005
EPA 200.7	4.4	Arsenic	NELAP	PA	04/07/2005
EPA 200.7	4.4	Barium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Boron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Calcium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Chromium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.7	4.4	Copper	NELAP	PA	04/07/2005
EPA 200.7	4.4	Iron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lead	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lithium	NELAP	PA	09/05/2012
EPA 200.7	4.4	Magnesium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Manganese	NELAP	PA	04/07/2005
EPA 200.7	4.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Nickel	NELAP	PA	04/07/2005
EPA 200.7	4.4	Potassium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Selenium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Silica, as SiO2	NELAP	PA	08/24/2005
EPA 200.7	4.4	Silver	NELAP	PA	04/07/2005
EPA 200.7	4.4	Sodium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Strontium	NELAP	PA	03/01/2007
EPA 200.7	4.4	Thallium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Tin	NELAP	PA	04/07/2005
EPA 200.7	4.4	Titanium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Zinc	NELAP	PA	04/07/2005
EPA 200.8	5.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Antimony	NELAP	PA	04/07/2005

*Annemarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 200.8	5.4	Arsenic	NELAP	PA	03/21/2012
EPA 200.8	5.4	Barium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Boron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Calcium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Chromium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.8	5.4	Copper	NELAP	PA	11/15/2011
EPA 200.8	5.4	Iron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Lead	NELAP	PA	04/07/2005
EPA 200.8	5.4	Lithium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Magnesium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Manganese	NELAP	PA	01/22/2007
EPA 200.8	5.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Nickel	NELAP	PA	04/07/2005
EPA 200.8	5.4	Phosphorus, total	NELAP	PA	04/19/2018
EPA 200.8	5.4	Potassium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Selenium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 200.8	5.4	Silver	NELAP	PA	04/07/2005
EPA 200.8	5.4	Sodium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Strontium	NELAP	PA	03/01/2007
EPA 200.8	5.4	Thallium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Thorium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Tin	NELAP	PA	08/24/2005
EPA 200.8	5.4	Titanium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Uranium (mass)	NELAP	PA	03/24/2017
EPA 200.8	5.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Zinc	NELAP	PA	04/07/2005
EPA 245.1	3.0	Mercury	NELAP	PA	04/07/2005
EPA 300.0	2.1	Bromide	NELAP	PA	08/24/2005
EPA 300.0	2.1	Chloride	NELAP	PA	04/07/2005
EPA 300.0	2.1	Fluoride	NELAP	PA	08/24/2005
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/07/2005
EPA 300.0	2.1	Sulfate	NELAP	PA	04/07/2005
EPA 3005	A	Preconcentration under acid	NELAP	PA	08/26/2006
EPA 3010	A	Hot plate acid digestion (HNO3 + HCl)	NELAP	PA	08/26/2006
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	08/26/2006
EPA 350.1	2.0	Ammonia as N	NELAP	PA	07/11/2016

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 353.2		Total nitrate-nitrite	NELAP	PA	08/26/2006
EPA 3620	B	Florisil cleanup	NELAP	PA	08/26/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	03/16/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	08/26/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	08/26/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	12/30/2019
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	10/13/2020
EPA 420.1		Total phenolics	NELAP	PA	04/08/2008
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5030	C	Aqueous-phase purge-and-trap	NELAP	PA	12/05/2013
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	03/16/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Antimony	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Arsenic	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Barium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Beryllium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Boron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cadmium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Calcium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Chromium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cobalt	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Copper	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Iron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lead	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lithium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Magnesium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Manganese	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Molybdenum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Nickel	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Potassium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Selenium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Silica, as SiO <sub>2</sub>	NELAP	PA	04/18/2006
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Sodium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Strontium	NELAP	PA	08/26/2006

*Annmarie Beach*

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Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6010	B, C, D	Thallium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Tin	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Titanium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Vanadium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Zinc	NELAP	PA	08/26/2006
EPA 6020	A	Metals by ICP/MS	NELAP	PA	03/16/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	08/26/2006
EPA 6020	A, B	Antimony	NELAP	PA	08/26/2006
EPA 6020	A, B	Arsenic	NELAP	PA	03/21/2012
EPA 6020	A, B	Barium	NELAP	PA	08/26/2006
EPA 6020	A, B	Beryllium	NELAP	PA	08/26/2006
EPA 6020	A, B	Boron	NELAP	PA	08/26/2006
EPA 6020	A, B	Cadmium	NELAP	PA	08/26/2006
EPA 6020	A, B	Calcium	NELAP	PA	08/26/2006
EPA 6020	A, B	Chromium	NELAP	PA	08/26/2006
EPA 6020	A, B	Cobalt	NELAP	PA	08/26/2006
EPA 6020	A, B	Copper	NELAP	PA	11/15/2011
EPA 6020	A, B	Iron	NELAP	PA	08/26/2006
EPA 6020	A, B	Lead	NELAP	PA	08/26/2006
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/26/2006
EPA 6020	A, B	Manganese	NELAP	PA	01/22/2007
EPA 6020	A, B	Molybdenum	NELAP	PA	08/26/2006
EPA 6020	A, B	Nickel	NELAP	PA	08/26/2006
EPA 6020	A, B	Phosphorus, total	NELAP	PA	04/19/2018
EPA 6020	A, B	Potassium	NELAP	PA	08/26/2006
EPA 6020	A, B	Selenium	NELAP	PA	08/26/2006
EPA 6020	A, B	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	08/26/2006
EPA 6020	A, B	Sodium	NELAP	PA	08/26/2006
EPA 6020	A, B	Strontium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thallium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/26/2006
EPA 6020	A, B	Titanium	NELAP	PA	08/26/2006
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	08/26/2006
EPA 6020	A, B	Zinc	NELAP	PA	08/26/2006
EPA 608		4,4'-DDD	NELAP	PA	04/07/2005

*Ammerie Black*

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301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 608		4,4'-DDE	NELAP	PA	04/07/2005
EPA 608		4,4'-DDT	NELAP	PA	04/07/2005
EPA 608		Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1016 (PCB-1016)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1221 (PCB-1221)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1232 (PCB-1232)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1242 (PCB-1242)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1248 (PCB-1248)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1254 (PCB-1254)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1260 (PCB-1260)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2009
EPA 608		Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2009
EPA 608		Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 608		Dieldrin	NELAP	PA	04/07/2005
EPA 608		Endosulfan I	NELAP	PA	04/07/2005
EPA 608		Endosulfan II	NELAP	PA	04/07/2005
EPA 608		Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 608		Endrin	NELAP	PA	04/07/2005
EPA 608		Endrin aldehyde	NELAP	PA	11/07/2006
EPA 608		Endrin ketone	NELAP	PA	03/01/2007
EPA 608		Heptachlor	NELAP	PA	04/07/2005
EPA 608		Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 608		Methoxychlor	NELAP	PA	04/18/2006
EPA 608		Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 608		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		alpha-Chlordane	NELAP	PA	04/18/2006
EPA 608		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 608		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-Chlordane	NELAP	PA	04/18/2006
EPA 608.3		4,4'-DDD	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDE	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDT	NELAP	PA	04/19/2018
EPA 608.3		Aldrin (HHDN)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1016 (PCB-1016)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1221 (PCB-1221)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1232 (PCB-1232)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1242 (PCB-1242)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1248 (PCB-1248)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1254 (PCB-1254)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1260 (PCB-1260)	NELAP	PA	04/19/2018

*Ann Marie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 608.3		Chlordane (tech.)	NELAP	PA	12/30/2019
EPA 608.3		Dieldrin	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan I	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan II	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan sulfate	NELAP	PA	04/19/2018
EPA 608.3		Endrin	NELAP	PA	04/19/2018
EPA 608.3		Endrin aldehyde	NELAP	PA	04/19/2018
EPA 608.3		Endrin ketone	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor epoxide	NELAP	PA	04/19/2018
EPA 608.3		Methoxychlor	NELAP	PA	04/19/2018
EPA 608.3		Toxaphene (Chlorinated camphene)	NELAP	PA	04/19/2018
EPA 608.3		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		alpha-Chlordane	NELAP	PA	04/19/2018
EPA 608.3		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-Chlordane	NELAP	PA	04/19/2018
EPA 624		1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/08/2009
EPA 624		1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloropropene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/08/2009
EPA 624		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/08/2009
EPA 624		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 624		1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,3-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624		2,2-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	03/01/2007
EPA 624		2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 624		2-Hexanone	NELAP	PA	04/08/2008
EPA 624		4-Chlorotoluene	NELAP	PA	04/08/2009
EPA 624		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/08/2008
EPA 624		Acetone	NELAP	PA	04/08/2008
EPA 624		Acetonitrile	NELAP	PA	04/08/2009
EPA 624		Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 624		Acrylonitrile	NELAP	PA	04/07/2005
EPA 624		Benzene	NELAP	PA	04/07/2005
EPA 624		Bromobenzene	NELAP	PA	04/08/2009
EPA 624		Bromochloromethane	NELAP	PA	03/01/2007
EPA 624		Bromodichloromethane	NELAP	PA	04/07/2005
EPA 624		Bromoform	NELAP	PA	04/07/2005
EPA 624		Carbon disulfide	NELAP	PA	04/08/2009
EPA 624		Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 624		Chlorobenzene	NELAP	PA	04/07/2005
EPA 624		Chloroethane	NELAP	PA	04/07/2005
EPA 624		Chloroform	NELAP	PA	04/07/2005
EPA 624		Cyclohexane	NELAP	PA	04/08/2009
EPA 624		Dibromochloromethane	NELAP	PA	04/07/2005
EPA 624		Dibromomethane	NELAP	PA	04/08/2009
EPA 624		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/08/2009
EPA 624		Ethyl methacrylate	NELAP	PA	04/08/2009
EPA 624		Ethylbenzene	NELAP	PA	04/07/2005
EPA 624		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/08/2009
EPA 624		Iodomethane (Methyl iodide)	NELAP	PA	04/08/2009
EPA 624		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/08/2009
EPA 624		Isopropylbenzene (Cumene)	NELAP	PA	04/08/2009
EPA 624		Methacrylonitrile	NELAP	PA	04/08/2009
EPA 624		Methyl acetate	NELAP	PA	04/08/2009
EPA 624		Methyl bromide (Bromomethane)	NELAP	PA	11/07/2006
EPA 624		Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 624		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/08/2008
EPA 624		Methylcyclohexane	NELAP	PA	04/08/2009
EPA 624		Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 624		Methylmethacrylate	NELAP	PA	04/08/2009
EPA 624		Naphthalene	NELAP	PA	12/22/2020
EPA 624		Propionitrile (Ethyl cyanide)	NELAP	PA	04/08/2009
EPA 624		Styrene	NELAP	PA	04/08/2009
EPA 624		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

*Annmarie Beach*

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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624		Toluene	NELAP	PA	04/07/2005
EPA 624		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 624		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 624		Vinyl acetate	NELAP	PA	04/08/2009
EPA 624		Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 624		Xylenes, total	NELAP	PA	04/07/2005
EPA 624		cis-1,2-Dichloroethene	NELAP	PA	04/08/2009
EPA 624		cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		m+p-Xylene	NELAP	PA	08/24/2005
EPA 624		n-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		n-Hexane	NELAP	PA	04/20/2011
EPA 624		n-Propylbenzene	NELAP	PA	04/08/2009
EPA 624		o-Xylene	NELAP	PA	08/24/2005
EPA 624		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/08/2009
EPA 624		sec-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2009
EPA 624		tert-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 624		trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		trans-1,4-Dichloro-2-butene	NELAP	PA	04/08/2009
EPA 624.1		1,1,1,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,1-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloroethene (total)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichloropropane	NELAP	PA	04/19/2018

*Annmarie Beach*



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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 624.1		2,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/19/2018
EPA 624.1		2-Chloroethyl vinyl ether	NELAP	PA	04/19/2018
EPA 624.1		2-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		2-Hexanone	NELAP	PA	04/19/2018
EPA 624.1		4-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/19/2018
EPA 624.1		Acetone	NELAP	PA	04/19/2018
EPA 624.1		Acrolein (Propenal)	NELAP	PA	04/19/2018
EPA 624.1		Acrylonitrile	NELAP	PA	04/19/2018
EPA 624.1		Allyl chloride (3-Chloropropene)	NELAP	PA	04/19/2018
EPA 624.1		Benzene	NELAP	PA	04/19/2018
EPA 624.1		Bromobenzene	NELAP	PA	04/19/2018
EPA 624.1		Bromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromodichloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromoform	NELAP	PA	04/19/2018
EPA 624.1		Carbon disulfide	NELAP	PA	04/19/2018
EPA 624.1		Carbon tetrachloride	NELAP	PA	04/19/2018
EPA 624.1		Chlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		Chloroethane	NELAP	PA	04/19/2018
EPA 624.1		Chloroform	NELAP	PA	04/19/2018
EPA 624.1		Cyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Dibromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Dibromomethane	NELAP	PA	04/19/2018
EPA 624.1		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/19/2018
EPA 624.1		Dichlorofluoromethane (Freon 21)	NELAP	PA	04/19/2018
EPA 624.1		Diethyl ether (Ethyl ether)	NELAP	PA	04/19/2018
EPA 624.1		Ethyl methacrylate	NELAP	PA	04/19/2018
EPA 624.1		Ethylbenzene	NELAP	PA	04/19/2018
EPA 624.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 624.1		Iodomethane (Methyl iodide)	NELAP	PA	04/19/2018
EPA 624.1		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/19/2018
EPA 624.1		Isopropylbenzene (Cumene)	NELAP	PA	04/19/2018
EPA 624.1		Methyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Methyl bromide (Bromomethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl chloride (Chloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/19/2018
EPA 624.1		Methylcyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Methylene chloride (Dichloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Naphthalene	NELAP	PA	12/22/2020

*Amberie Besch*

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**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624.1		Styrene	NELAP	PA	04/19/2018
EPA 624.1		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Tetrahydrofuran (THF)	NELAP	PA	04/19/2018
EPA 624.1		Toluene	NELAP	PA	04/19/2018
EPA 624.1		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/19/2018
EPA 624.1		Vinyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Vinyl chloride (Chloroethene)	NELAP	PA	04/19/2018
EPA 624.1		Xylenes, total	NELAP	PA	04/19/2018
EPA 624.1		cis-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		cis-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		m+p-Xylene	NELAP	PA	04/19/2018
EPA 624.1		n-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		n-Hexane	NELAP	PA	04/19/2018
EPA 624.1		n-Propylbenzene	NELAP	PA	04/19/2018
EPA 624.1		o-Xylene	NELAP	PA	04/19/2018
EPA 624.1		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/19/2018
EPA 624.1		sec-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/19/2018
EPA 624.1		tert-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,4-Dichloro-2-butene	NELAP	PA	04/19/2018
EPA 625		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/08/2009
EPA 625		1,2,3,4-Tetrahydronaphthalene	NELAP	PA	04/08/2009
EPA 625		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/08/2009
EPA 625		1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 625		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,2-Diphenylhydrazine	NELAP	PA	04/08/2009
EPA 625		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/08/2009
EPA 625		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009
EPA 625		1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 625		2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/08/2009
EPA 625		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 625		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3,5,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3-Dichloroaniline	NELAP	PA	04/08/2009
EPA 625		2,4,5-Trichlorophenol	NELAP	PA	08/24/2005
EPA 625		2,4,6-Trichlorophenol	NELAP	PA	04/07/2005

*Annmarie Beach*

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**Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.**

**Eurofins TestAmerica Laboratories Pittsburgh**  
**301 Alpha Drive**  
**Pittsburgh, PA 15238**  
**(412) 963-7058**

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

<b>Method</b>	<b>Revision</b>	<b>Analyte</b>	<b>Accreditation Type</b>	<b>Primary State</b>	<b>Effective Date</b>
EPA 625		2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 625		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/08/2009
EPA 625		2-Bromonaphthalene	NELAP	PA	04/08/2009
EPA 625		2-Chloronaphthalene	NELAP	PA	04/07/2005
EPA 625		2-Chlorophenol	NELAP	PA	04/07/2005
EPA 625		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 625		2-Methylnaphthalene	NELAP	PA	08/24/2005
EPA 625		2-Methylphenol (o-Cresol)	NELAP	PA	04/18/2006
EPA 625		2-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		2-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	03/01/2007
EPA 625		3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 625		3-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		3-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/08/2009
EPA 625		4-Bromophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 625		4-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		4-Chlorophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		6-Methylchrysene	NELAP	PA	04/08/2009
EPA 625		Acenaphthene	NELAP	PA	04/07/2005
EPA 625		Acenaphthylene	NELAP	PA	10/27/2010
EPA 625		Acetophenone	NELAP	PA	08/24/2005
EPA 625		Acrylamide	NELAP	PA	11/21/2018
EPA 625		Aniline	NELAP	PA	08/24/2005
EPA 625		Anthracene	NELAP	PA	04/07/2005
EPA 625		Aramite	NELAP	PA	04/08/2009
EPA 625		Atrazine	NELAP	PA	04/08/2009
EPA 625		Benzaldehyde	NELAP	PA	04/08/2009
EPA 625		Benzidine	NELAP	PA	04/07/2005
EPA 625		Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 625		Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 625		Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 625		Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzoic acid	NELAP	PA	04/08/2009

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		Benzotrichloride	NELAP	PA	04/08/2009
EPA 625		Benzyl alcohol	NELAP	PA	04/08/2009
EPA 625		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 625		Caprolactam	NELAP	PA	04/08/2009
EPA 625		Carbaryl (Sevin)	NELAP	PA	04/08/2009
EPA 625		Carbazole	NELAP	PA	04/08/2009
EPA 625		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 625		Cresols (total)	NELAP	PA	04/18/2006
EPA 625		Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 625		Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 625		Diallate (cis or trans)	NELAP	PA	04/08/2009
EPA 625		Dibenz[a,h]acridine	NELAP	PA	04/08/2009
EPA 625		Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 625		Dibenzofuran	NELAP	PA	04/08/2009
EPA 625		Diethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Dimethoate	NELAP	PA	04/08/2009
EPA 625		Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Fluoranthene	NELAP	PA	04/07/2005
EPA 625		Fluorene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 625		Hexachlorocyclopentadiene	NELAP	PA	04/07/2005
EPA 625		Hexachloroethane	NELAP	PA	04/07/2005
EPA 625		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 625		Isodrin	NELAP	PA	04/08/2009
EPA 625		Isophorone	NELAP	PA	04/07/2005
EPA 625		Kepon	NELAP	PA	04/08/2009
EPA 625		Methyl parathion (Parathion, methyl)	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiethylamine	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 625		Naphthalene	NELAP	PA	04/07/2005
EPA 625		Nitrobenzene	NELAP	PA	04/07/2005
EPA 625		Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/08/2009
EPA 625		Pentachlorobenzene	NELAP	PA	04/08/2009
EPA 625		Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 625		Phenanthrene	NELAP	PA	04/07/2005
EPA 625		Phenol	NELAP	PA	04/07/2005
EPA 625		Pyrene	NELAP	PA	04/07/2005
EPA 625		Pyridine	NELAP	PA	04/08/2009
EPA 625		bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005

*Charmaine Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 625		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 625		n-Octadecane	NELAP	PA	04/08/2009
EPA 625		o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/08/2009
EPA 625.1		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/19/2018
EPA 625.1		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,2-Diphenylhydrazine	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 625.1		1-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/19/2018
EPA 625.1		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,5-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,6-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dimethylphenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2-Chloronaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Chlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/19/2018
EPA 625.1		2-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Methylphenol (o-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		2-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		2-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		3,3'-Dichlorobenzidine	NELAP	PA	04/19/2018
EPA 625.1		3-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Bromophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Chloro-3-methylphenol	NELAP	PA	04/19/2018
EPA 625.1		4-Chloroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Chlorophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		Acenaphthene	NELAP	PA	04/19/2018

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Acenaphthylene	NELAP	PA	04/19/2018
EPA 625.1		Acetophenone	NELAP	PA	04/19/2018
EPA 625.1		Acrylamide	NELAP	PA	11/21/2018
EPA 625.1		Aniline	NELAP	PA	04/19/2018
EPA 625.1		Anthracene	NELAP	PA	04/19/2018
EPA 625.1		Atrazine	NELAP	PA	04/19/2018
EPA 625.1		Benzaldehyde	NELAP	PA	04/19/2018
EPA 625.1		Benzidine	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]pyrene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[b]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[ghi]perylene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[k]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzoic acid	NELAP	PA	04/19/2018
EPA 625.1		Benzyl alcohol	NELAP	PA	04/19/2018
EPA 625.1		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/19/2018
EPA 625.1		Caprolactam	NELAP	PA	04/19/2018
EPA 625.1		Carbazole	NELAP	PA	04/19/2018
EPA 625.1		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/19/2018
EPA 625.1		Cresols (total)	NELAP	PA	04/19/2018
EPA 625.1		Di-n-butyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Di-n-octyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dibenzo[a,h]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Dibenzofuran	NELAP	PA	04/19/2018
EPA 625.1		Diethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dimethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Fluorene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorocyclopentadiene	NELAP	PA	04/19/2018
EPA 625.1		Hexachloroethane	NELAP	PA	04/19/2018
EPA 625.1		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/19/2018
EPA 625.1		Isophorone	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodi-n-propylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodimethylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodiphenylamine	NELAP	PA	04/19/2018
EPA 625.1		Naphthalene	NELAP	PA	04/19/2018
EPA 625.1		Nitrobenzene	NELAP	PA	04/19/2018
EPA 625.1		Pentachlorophenol (PCP)	NELAP	PA	04/19/2018
EPA 625.1		Phenanthrene	NELAP	PA	04/19/2018
EPA 625.1		Phenol	NELAP	PA	04/19/2018

*Ammerie Beach*

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301 Alpha Drive  
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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Pyrene	NELAP	PA	04/19/2018
EPA 625.1		Pyridine	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethoxy)methane	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethyl) ether	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/19/2018
EPA 625.1		n-Decane	NELAP	PA	04/19/2018
EPA 625.1		n-Hexadecane	NELAP	PA	04/19/2018
EPA 625.1		n-Octadecane	NELAP	PA	04/19/2018
EPA 7196	A	Chromium VI	NELAP	PA	08/26/2006
EPA 7470	A	Mercury	NELAP	PA	08/26/2006
EPA 8011		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8011		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/18/2006
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDE	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDT	NELAP	PA	08/26/2006
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	08/26/2006
EPA 8081	A, B	Chlorbenseide	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Diallate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan I	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan II	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	11/07/2006
EPA 8081	A, B	Endrin ketone	NELAP	PA	01/06/2006
EPA 8081	A, B	Heptachlor	NELAP	PA	08/26/2006
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	08/26/2006
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/20/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Methoxychlor	NELAP	PA	01/06/2006
EPA 8081	A, B	Mirex	NELAP	PA	08/26/2006
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/08/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	08/26/2006
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	08/26/2006

*Annmarie Beach*



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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8081	A, B	alpha-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/08/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4',5'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	09/06/2012
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	08/26/2006

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A, B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/26/2006
EPA 8141	A, B	Coumaphos	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton	NELAP	PA	04/08/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton-S	NELAP	PA	08/26/2006
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dichlorvos (DDVP, Dichlorvos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dimethoate	NELAP	PA	08/26/2006
EPA 8141	A, B	Disulfoton	NELAP	PA	08/26/2006
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Famphur	NELAP	PA	08/26/2006
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/26/2006
EPA 8141	A, B	Fenthion	NELAP	PA	08/26/2006
EPA 8141	A, B	Malathion	NELAP	PA	08/26/2006
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	08/26/2006
EPA 8141	A, B	Mevinphos	NELAP	PA	08/26/2006
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	03/01/2007
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ronnel	NELAP	PA	08/26/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	08/26/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	08/26/2006
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	08/26/2006
EPA 8151	A	2,4-D	NELAP	PA	08/26/2006

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	08/26/2006
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/26/2006
EPA 8151	A	Dicamba	NELAP	PA	08/26/2006
EPA 8151	A	Dichloroprop (Dichloroprop)	NELAP	PA	08/26/2006
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8151	A	MCPA	NELAP	PA	08/26/2006
EPA 8151	A	MCPPP (Mecoprop)	NELAP	PA	08/26/2006
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	01/06/2006

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(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Acetonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromoform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	04/08/2009
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl acrylate	NELAP	PA	12/05/2007
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	04/18/2006

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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Naphthalene	NELAP	PA	12/22/2020
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Styrene	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	03/30/2006
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	m-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	08/26/2006
EPA 8270	C, D	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dinitrobenzene (1,2-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007

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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chlorophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	08/26/2006

*Amman Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	10/27/2010
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acrylamide	NELAP	PA	11/21/2018
EPA 8270	C, D, E	Aniline	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aramite	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluorene	NELAP	PA	08/26/2006

*Amman's Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Non-Potable Water**

<b>Method</b>	<b>Revision</b>	<b>Analyte</b>	<b>Accreditation Type</b>	<b>Primary State</b>	<b>Effective Date</b>
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Indene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Naphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotep (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	08/26/2006

*Ammersee Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
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(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/08/2009
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/08/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	10/25/2018
EPA 9034		Sulfide	NELAP	PA	10/25/2018
EPA 9040	B	pH	NELAP	PA	04/18/2006
EPA 9040	C	pH	NELAP	PA	08/26/2006
EPA 9050	A	Conductivity	NELAP	PA	03/16/2009
EPA 9056	A	Anions by IC	NELAP	PA	03/16/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	08/26/2006
EPA 9056	A	Fluoride	NELAP	PA	08/26/2006
EPA 9056	A	Nitrate as N	NELAP	PA	08/26/2006
EPA 9056	A	Nitrite as N	NELAP	PA	08/26/2006
EPA 9056	A	Orthophosphate as P	NELAP	PA	08/26/2006
EPA 9056	A	Sulfate	NELAP	PA	08/26/2006
EPA 9060	A	Total organic carbon (TOC)	NELAP	PA	04/22/2010
EPA 9065		Total phenolics	NELAP	PA	04/08/2008
EPA 9070	A	Non-polar material	NELAP	PA	12/30/2019
EPA 9070	A	Oil and grease	NELAP	PA	04/04/2007
OIA 1677-09		Available cyanide	NELAP	PA	08/24/2005
OIA 1677-09		Free cyanide	NELAP	PA	04/19/2018
SM 2120 B		Color	NELAP	PA	04/10/2007
SM 2310 B		Acidity as CaCO3	NELAP	PA	11/21/2018
SM 2320 B		Alkalinity as CaCO3	NELAP	PA	01/22/2007
SM 2340 C		Total hardness as CaCO3	NELAP	PA	01/22/2007
SM 2510 B		Conductivity	NELAP	PA	04/21/2010
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/10/2007
SM 2540 C		Residue, filterable (TDS)	NELAP	PA	10/13/2010
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	PA	04/10/2007
SM 2540 E		Fixed suspended solids	NELAP	PA	04/13/2009
SM 2540 E		Residue, volatile	NELAP	PA	02/03/2016
SM 2540 E		Volatile suspended solids	NELAP	PA	04/13/2009
SM 2540 F		Residue, settleable	NELAP	PA	04/10/2007
SM 2580 B		Oxidation-reduction potential	NELAP	PA	05/04/2009
SM 3500-Cr B	20-22	Chromium VI	NELAP	PA	08/24/2005

*Annmarie Black*

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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
SM 4500-CN- C/E		Cyanide	NELAP	PA	12/14/2012
SM 4500-Cl G		Total residual chlorine	NELAP	PA	04/08/2008
SM 4500-H+ B		pH	NELAP	PA	04/10/2007
SM 4500-Norg D		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
SM 4500-O G		Oxygen (dissolved)	NELAP	PA	03/16/2009
SM 4500-S2- F		Sulfide	NELAP	PA	10/25/2018
SM 5210 B		Biochemical oxygen demand (BOD)	NELAP	PA	06/24/2008
SM 5210 B		Carbonaceous BOD (CBOD)	NELAP	PA	08/26/2006
SM 5310 C		Dissolved organic carbon (DOC)	NELAP	PA	07/12/2010
SM 5310 C		Total organic carbon (TOC)	NELAP	PA	07/12/2010
SM 5540 C		Surfactants as MBAS	NELAP	PA	10/24/2012

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D3987-85		Shake extraction of solid waste with water	NELAP	PA	12/05/2007
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	04/09/2009
EPA 1020	B	Ignitability	NELAP	PA	04/09/2009
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	04/07/2005
EPA 1312		Synthetic precipitation leaching procedure (SPLP)	NELAP	PA	04/18/2006
EPA 300.0	2.1	Bromide	NELAP	PA	04/20/2011
EPA 300.0	2.1	Chloride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Fluoride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/20/2011
EPA 300.0	2.1	Sulfate	NELAP	PA	04/20/2011
EPA 3005	A	Preconcentration under acid	NELAP	PA	04/07/2005
EPA 3010	A	Hot plate acid digestion (HNO <sub>3</sub> + HCl)	NELAP	PA	04/07/2005
EPA 3050	B	Acid digestion of solids	NELAP	PA	04/07/2005
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	04/07/2005
EPA 350.1	2.0	Ammonia as N	NELAP	PA	08/26/2006
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 353.2		Total nitrate-nitrite	NELAP	PA	04/20/2011
EPA 3541		Automated soxhlet extraction	NELAP	PA	04/07/2005
EPA 3580	A	Waste dilution	NELAP	PA	04/07/2005
EPA 3585		Waste dilution for VOCs	NELAP	PA	04/07/2005

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**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 3620	B	Florisil cleanup	NELAP	PA	04/18/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	04/09/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	04/18/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	04/18/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	04/18/2006
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	08/26/2006
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5035	A	Closed-system purge-and-trap (freezing option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (methanol option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (unpreserved)	NELAP	PA	06/15/2012
EPA 5035		Closed-system purge-and-trap (bisulfate option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (methanol option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (unpreserved)	NELAP	PA	08/24/2005
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	04/09/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/24/2005
EPA 6010	B, C, D	Antimony	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Arsenic	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Barium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Beryllium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Boron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cadmium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Calcium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Chromium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cobalt	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Copper	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Iron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lead	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lithium	NELAP	PA	04/22/2010
EPA 6010	B, C, D	Magnesium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Manganese	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Molybdenum	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Nickel	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Potassium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Selenium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silica, as SiO2	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Sodium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Strontium	NELAP	PA	04/07/2005

*Ammeria Beach*

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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6010	B, C, D	Thallium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Tin	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Titanium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Vanadium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Zinc	NELAP	PA	04/07/2005
EPA 6020	A	Metals by ICP/MS	NELAP	PA	04/09/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	04/07/2005
EPA 6020	A, B	Antimony	NELAP	PA	04/07/2005
EPA 6020	A, B	Arsenic	NELAP	PA	04/07/2005
EPA 6020	A, B	Barium	NELAP	PA	04/07/2005
EPA 6020	A, B	Beryllium	NELAP	PA	04/07/2005
EPA 6020	A, B	Boron	NELAP	PA	08/24/2005
EPA 6020	A, B	Cadmium	NELAP	PA	04/07/2005
EPA 6020	A, B	Calcium	NELAP	PA	08/24/2005
EPA 6020	A, B	Chromium	NELAP	PA	04/07/2005
EPA 6020	A, B	Cobalt	NELAP	PA	04/07/2005
EPA 6020	A, B	Copper	NELAP	PA	04/07/2005
EPA 6020	A, B	Iron	NELAP	PA	08/24/2005
EPA 6020	A, B	Lead	NELAP	PA	04/07/2005
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/24/2005
EPA 6020	A, B	Manganese	NELAP	PA	04/07/2005
EPA 6020	A, B	Molybdenum	NELAP	PA	04/07/2005
EPA 6020	A, B	Nickel	NELAP	PA	04/07/2005
EPA 6020	A, B	Potassium	NELAP	PA	08/24/2005
EPA 6020	A, B	Selenium	NELAP	PA	04/07/2005
EPA 6020	A, B	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	04/07/2005
EPA 6020	A, B	Sodium	NELAP	PA	08/24/2005
EPA 6020	A, B	Strontium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thallium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/24/2005
EPA 6020	A, B	Titanium	NELAP	PA	08/24/2005
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	04/07/2005
EPA 6020	A, B	Zinc	NELAP	PA	04/07/2005
EPA 7196	A	Chromium VI	NELAP	PA	04/07/2005
EPA 7470	A	Mercury	NELAP	PA	08/26/2006

*Annmarie Beach*

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 7471	A	Mercury	NELAP	PA	04/07/2005
EPA 7471	B	Mercury	NELAP	PA	04/09/2009
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDE	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDT	NELAP	PA	04/07/2005
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 8081	A, B	Chlorobenside	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Diallate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan I	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan II	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin ketone	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/12/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/24/2005
EPA 8081	A, B	Methoxychlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Mirex	NELAP	PA	08/24/2005
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/09/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/09/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006

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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	12/30/2019
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1016 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1221 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1232 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1242 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1248 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1254 (in oil)	NELAP	PA	10/19/2016

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**Eurofins TestAmerica Laboratories Pittsburgh**  
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Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1260 (In oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/09/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/24/2005
EPA 8141	A, B	Coumaphos	NELAP	PA	08/24/2005
EPA 8141	A, B	Demeton	NELAP	PA	04/09/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	04/07/2005
EPA 8141	A, B	Demeton-S	NELAP	PA	04/07/2005
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	04/07/2005
EPA 8141	A, B	Dichlorvos (DDVP, Dichlorvos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Dimethoate	NELAP	PA	08/24/2005
EPA 8141	A, B	Disulfoton	NELAP	PA	04/07/2005
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Famphur	NELAP	PA	08/24/2005
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/24/2005
EPA 8141	A, B	Fenthion	NELAP	PA	08/24/2005
EPA 8141	A, B	Malathion	NELAP	PA	04/07/2005
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	04/07/2005
EPA 8141	A, B	Mevinphos	NELAP	PA	08/24/2005
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	04/18/2006
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ronnel	NELAP	PA	04/18/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinphos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	04/18/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	04/07/2005
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	04/07/2005
EPA 8151	A	2,4-D	NELAP	PA	04/07/2005
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	04/07/2005
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/24/2005
EPA 8151	A	Dicamba	NELAP	PA	04/07/2005

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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	Dichloroprop (Dichlorprop)	NELAP	PA	04/07/2005
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	12/30/2019
EPA 8151	A	MCPA	NELAP	PA	04/07/2005
EPA 8151	A	MCPPP (Mecoprop)	NELAP	PA	04/07/2005
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	08/24/2005
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	04/07/2005

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**DEP Laboratory ID: 02-00416**  
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**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Acetonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromoform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	12/30/2019
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Naphthalene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Styrene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

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**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	04/07/2005
EPA 8270	C	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	D	SOCs by GC/MS	NELAP	PA	04/09/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	1-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006

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(412) 963-7058

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	10/13/2010
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromopheny phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloropheny phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006

*Ammarid Beach*

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**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Aramite	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Fluorene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	04/07/2005

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**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TNI Code: TNI02151**  
**PADWIS ID: 02416**

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Indene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Naphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinphos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/09/2009

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DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PADWIS ID: 02416

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/09/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9013	A	Cyanide extraction for solids and oils	NELAP	PA	04/22/2010
EPA 9013		Cyanide extraction for solids and oils	NELAP	PA	12/05/2007
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	04/07/2005
EPA 9034		Sulfide	NELAP	PA	04/07/2005
EPA 9040	B	pH	NELAP	PA	04/07/2005
EPA 9040	C	pH	NELAP	PA	04/09/2009
EPA 9045	C	pH	NELAP	PA	04/07/2005
EPA 9045	D	pH	NELAP	PA	04/09/2009
EPA 9056	A	Anions by IC	NELAP	PA	04/09/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	04/07/2005
EPA 9056	A	Fluoride	NELAP	PA	04/07/2005
EPA 9056	A	Nitrate as N	NELAP	PA	04/07/2005
EPA 9056	A	Nitrite as N	NELAP	PA	04/07/2005
EPA 9056	A	Orthophosphate as P	NELAP	PA	01/26/2009
EPA 9056	A	Sulfate	NELAP	PA	04/07/2005
EPA 9065		Total phenolics	NELAP	PA	12/05/2007
EPA 9071	B	Oil and grease	NELAP	PA	04/09/2009
EPA 9095	B	Paint filter liquids test	NELAP	PA	04/09/2009
EPA Lloyd Kahn Method		Total organic carbon (TOC)	NELAP	PA	09/27/2007
OIA 1677-09		Available cyanide	NELAP	PA	04/18/2006
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/08/2008
SM 2540 G		Percent moisture in soil	NELAP	PA	04/13/2009
SM 2540 G		Residue, total	NELAP	PA	12/05/2007
SM 2540 G		Total, fixed, and volatile residue	NELAP	PA	05/31/2018
SOP (00416) OP-011		Percent lipids	NELAP	PA	04/13/2009
SOP (00416) WC-033		Water leach	NELAP	PA	09/05/2012
Walkley Black		Total organic carbon (TOC)	NELAP	PA	04/08/2008

*Annamarie Beach*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.



04/01/2021

Deborah Lowe  
Eurofins TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238

Re: Certificate of Accreditation  
DEP Lab ID No. 02-00416

Dear Laboratory Supervisor:

Enclosed is your new Certificate of Accreditation to operate as a Pennsylvania Accredited Laboratory. This Certificate of Accreditation expires **04/30/2022** unless suspended or revoked earlier. As a laboratory accredited in accordance with the Environmental Laboratory Accreditation Act of June 29, 2002 (P.L. 596, No 90) (27 Pa C.S. §§ 4101 – 4113) and The Environmental Laboratory Accreditation Regulations of 25 Pa. Code Chapter 252 you are responsible for continual compliance with the accreditation Act and regulations promulgated thereunder. Failure to comply with all applicable Federal and Departmental laws and regulations may result in suspension or revocation of your laboratory's accreditation.

Your DEP laboratory identification number is **02-00416**. Please use this number on all correspondence with the PA Department of Environmental Protection (Department).

Your laboratory is accredited to perform only the analyses by the methods listed on the Scope of Accreditation that accompanies the Certificate of Accreditation. The Certificate of Accreditation remains the property of the Department and must be displayed in the laboratory.

Please note this certification must be renewed annually. Renewal applications must be submitted to the Department *no later than 60 days prior to the expiration of the certification*. Failure to submit a renewal application within this time period may result in a lapse of the laboratory's accreditation. Should this occur, the laboratory may not conduct any further analyses for which accreditation is required and, if the laboratory is accredited to perform analyses on drinking water, the laboratory must notify the public water suppliers served by the laboratory of the laboratory's failure to renew its certificate of accreditation. Copies of the renewal application may be found on the Department's web site ([www.depweb.state.pa.us/labs](http://www.depweb.state.pa.us/labs)).

If you have any questions concerning your certificate, you may contact your laboratory's accreditation officer Virginia Hunsberger at 717-346-8211 or [vhunsberge@pa.gov](mailto:vhunsberge@pa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Annmarie Beach".

Annmarie Beach, Chief  
Laboratory Accreditation Program

Enclosures

**APPENDIX A**

**Field Data Forms  
February 2021**

Product Name: Low-Flow System

Date: 2021-02-09 10:07:42

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 44.60 ft

Pump placement from TOC 44.60 ft

Well Information:

Well ID SGWA-1  
Well diameter 2 in  
Well Total Depth 53.40 ft  
Screen Length 10 ft  
Depth to Water 38.56 ft

Pumping Information:

Final Pumping Rate 225 mL/min  
Total System Volume 0.6840687 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 in  
Total Volume Pumped 5.63 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:45:08	300.09	17.01	5.31	34.92	5.36	38.79	2.02	100.80
Last 5	09:50:08	600.01	17.99	5.26	34.59	5.67	38.80	1.42	83.78
Last 5	09:55:08	900.00	18.04	5.25	34.98	3.09	38.79	1.14	75.44
Last 5	10:00:08	1199.99	17.95	5.25	34.78	2.35	38.80	1.07	70.39
Last 5	10:05:08	1499.99	18.11	5.25	34.49	1.72	38.80	1.01	68.27
Variance 0			0.05	-0.01	0.39			-0.28	-8.34
Variance 1			-0.09	-0.00	-0.20			-0.07	-5.05
Variance 2			0.16	-0.00	-0.30			-0.05	-2.12

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 11:04:00

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 91.05 ft

Pump placement from TOC 91.05 ft

Well Information:

Well ID SGWA-2  
Well diameter 2 in  
Well Total Depth 98.5 ft  
Screen Length 10 ft  
Depth to Water 38.09 ft

Pumping Information:

Final Pumping Rate 225 mL/min  
Total System Volume 0.8913947 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 20.28 in  
Total Volume Pumped 5.63 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:41:40	300.02	16.92	6.52	129.23	3.05	39.04	3.41	57.58
Last 5	10:46:40	600.01	18.20	6.67	126.90	2.24	39.80	4.39	52.24
Last 5	10:51:40	900.00	17.77	6.72	126.79	1.46	39.84	4.30	50.81
Last 5	10:56:40	1199.99	17.62	6.74	127.02	1.44	39.80	4.36	49.33
Last 5	11:01:40	1499.98	17.63	6.75	126.97	1.37	39.78	4.44	48.70
Variance 0			-0.43	0.05	-0.10			-0.10	-1.43
Variance 1			-0.15	0.02	0.23			0.07	-1.47
Variance 2			0.01	0.01	-0.05			0.08	-0.64

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 11:34:47

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 44.7 ft

Pump placement from TOC 44.7 ft

Well Information:

Well ID SGWA-3  
Well diameter 2 in  
Well Total Depth 52.80 ft  
Screen Length 10 ft  
Depth to Water 32.40 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 58.8 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:16:31	300.03	17.63	5.76	78.44	0.51	35.05	4.14	17.20
Last 5	11:21:31	600.02	17.82	5.76	79.13	0.24	37.38	3.68	14.51
Last 5	11:26:31	900.02	17.76	5.78	79.97	0.27	37.30	3.69	15.46
Last 5	11:31:31	1200.02	17.41	5.80	80.22	0.29	37.30	3.73	15.45
Last 5									
Variance 0			0.18	0.01	0.69			-0.46	-2.70
Variance 1			-0.05	0.01	0.84			0.02	0.96
Variance 2			-0.36	0.03	0.25			0.03	-0.01

Notes

Started purging a 1111  
Stopped purging and began sampling at 1135

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 12:57:43

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 54.8 ft

Pump placement from TOC 54.8 ft

Well Information:

Well ID SGWA-4  
Well diameter 2 in  
Well Total Depth 63.20 ft  
Screen Length 10 ft  
Depth to Water 47.35 ft

Pumping Information:

Final Pumping Rate 125 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 31.8 in  
Total Volume Pumped 3.13 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:35:06	300.02	18.49	6.56	172.11	0.72	48.75	6.52	29.48
Last 5	12:40:06	600.02	18.64	6.46	170.80	0.54	49.54	6.18	26.03
Last 5	12:45:06	900.02	18.87	6.41	170.40	0.52	49.95	5.97	24.39
Last 5	12:50:06	1200.02	18.90	6.39	170.46	0.65	50.00	5.88	23.77
Last 5	12:55:07	1501.02	19.18	6.38	169.93	0.61	50.00	5.83	22.81
Variance 0			0.23	-0.05	-0.39			-0.21	-1.64
Variance 1			0.03	-0.03	0.06			-0.08	-0.62
Variance 2			0.28	-0.01	-0.53			-0.06	-0.96

Notes

Started purging at 1230  
Stopped purging and began sampling at 1255

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 10:14:43

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 24.36 ft

Pump placement from TOC 24.36 ft

Well Information:

Well ID SGWA-5  
Well diameter 2 in  
Well Total Depth 33.1 ft  
Screen Length 10 ft  
Depth to Water 14.48 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.84 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:56:03	300.13	16.59	5.72	55.42	0.16	15.05	4.46	34.77
Last 5	10:01:02	600.02	16.72	5.55	55.56	0.24	15.05	4.11	24.36
Last 5	10:06:02	900.02	16.75	5.54	55.31	0.25	15.05	3.99	18.85
Last 5	10:11:02	1200.02	16.74	5.53	55.26	0.20	15.05	3.95	15.81
Last 5									
Variance 0			0.13	-0.17	0.13			-0.36	-10.42
Variance 1			0.03	-0.01	-0.25			-0.11	-5.50
Variance 2			-0.01	-0.00	-0.05			-0.04	-3.05

Notes

Started pumping at 0950  
Stopped purging and began sampling at 1010

Grab Samples



Product Name: Low-Flow System

Date: 2021-02-09 12:34:56

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 19.21 ft

Pump placement from TOC 19.21 ft

Well Information:

Well ID SGWC-6  
Well diameter 2 in  
Well Total Depth 27.6 ft  
Screen Length 10 ft  
Depth to Water 13.32 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.5707424 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 19.32 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:12:04	1501.99	18.35	6.38	132.83	1.10	14.98	2.93	45.65
Last 5	12:17:04	1801.98	18.25	6.33	133.88	1.21	14.99	3.01	45.22
Last 5	12:22:06	2103.97	18.38	6.31	134.40	1.17	14.96	2.65	43.36
Last 5	12:27:06	2403.96	18.23	6.33	135.93	1.17	14.95	2.70	42.01
Last 5	12:32:06	2703.96	18.53	6.34	134.00	1.01	14.93	2.70	41.30
Variance 0			0.12	-0.02	0.51			-0.36	-1.86
Variance 1			-0.15	0.02	1.54			0.05	-1.35
Variance 2			0.30	0.00	-1.93			0.00	-0.71

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 14:15:58

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 29.75 ft

Pump placement from TOC 29.75 ft

Well Information:

Well ID SGWC-7  
Well diameter 2 in  
Well Total Depth 37.70 ft  
Screen Length 10 ft  
Depth to Water 12.62 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.2 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:54:00	900.02	19.23	6.46	317.48	2.88	12.72	1.57	27.63
Last 5	13:59:00	1200.02	19.32	6.43	318.29	2.23	12.72	1.05	27.69
Last 5	14:04:00	1500.02	19.41	6.42	317.55	1.55	12.72	0.89	27.27
Last 5	14:09:00	1800.02	19.32	6.42	316.21	1.30	12.72	0.85	26.70
Last 5	14:14:00	2100.02	19.19	6.42	313.79	1.02	12.72	0.82	26.25
Variance 0			0.09	-0.01	-0.74			-0.16	-0.42
Variance 1			-0.09	-0.01	-1.34			-0.04	-0.57
Variance 2			-0.13	0.00	-2.42			-0.03	-0.44

Notes

Started purging at 1338  
Stopped purging and began sampling at 1415

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 14:38:33

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 34.2 ft

Pump placement from TOC 34.2 ft

Well Information:

Well ID SGWC-8  
Well diameter 2 in  
Well Total Depth 42.6 ft  
Screen Length 10 ft  
Depth to Water 20.94 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.6376491 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.96 in  
Total Volume Pumped 7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:15:33	300.02	20.26	6.34	598.03	1.67	21.29	1.18	59.27
Last 5	14:20:33	600.01	20.17	6.33	601.23	1.72	21.22	0.92	49.53
Last 5	14:25:33	900.01	20.13	6.34	600.47	1.52	21.28	0.89	44.68
Last 5	14:30:33	1199.99	20.08	6.34	600.84	1.39	21.24	0.88	41.98
Last 5	14:35:41	1507.99	20.36	6.35	596.81	1.13	21.27	0.86	40.30
Variance 0			-0.03	0.01	-0.76			-0.03	-4.85
Variance 1			-0.05	0.00	0.38			-0.01	-2.71
Variance 2			0.27	0.00	-4.03			-0.02	-1.68

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 16:01:56

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 29.4 ft

Pump placement from TOC 29.4 ft

Well Information:

Well ID SGWC-9  
Well diameter 2 in  
Well Total Depth 37.8 ft  
Screen Length 10 ft  
Depth to Water 20.45 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.6162246 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 12.6 in  
Total Volume Pumped 6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:40:12	300.03	20.01	6.28	620.09	1.28	21.45	1.81	70.93
Last 5	15:45:12	600.01	19.42	6.21	597.82	1.69	21.83	0.83	54.37
Last 5	15:50:12	899.99	19.34	6.21	605.37	1.28	21.66	1.29	42.91
Last 5	15:55:12	1200.00	19.35	6.21	624.57	1.43	21.51	1.24	38.84
Last 5	16:00:12	1499.99	19.29	6.21	632.24	1.54	21.50	1.26	37.21
Variance 0			-0.09	-0.00	7.54			0.47	-11.46
Variance 1			0.01	-0.00	19.20			-0.05	-4.07
Variance 2			-0.06	-0.00	7.67			0.02	-1.64

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 17:03:08

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 24.2 ft

Pump placement from TOC 24.2 ft

Well Information:

Well ID SGWC-10  
Well diameter 2 in  
Well Total Depth 32.6 ft  
Screen Length 10 ft  
Depth to Water 17.75 ft

Pumping Information:

Final Pumping Rate 225 mL/min  
Total System Volume 0.5930148 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 26.04 in  
Total Volume Pumped 6.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:41:04	600.01	19.77	5.21	64.99	2.08	19.55	1.83	84.68
Last 5	16:46:04	900.01	19.53	5.20	65.06	2.11	19.70	1.62	93.39
Last 5	16:51:04	1200.00	19.10	5.23	65.69	1.34	19.82	1.38	80.98
Last 5	16:56:04	1499.99	19.10	5.21	65.99	1.28	19.89	1.31	66.91
Last 5	17:01:06	1801.98	19.26	5.23	67.10	1.47	19.92	1.27	55.81
Variance 0			-0.43	0.03	0.63			-0.24	-12.41
Variance 1			-0.01	-0.02	0.30			-0.08	-14.07
Variance 2			0.16	0.02	1.11			-0.04	-11.09

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 12:56:23

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 34.3 ft

Pump placement from TOC 34.3 ft

Well Information:

Well ID SGWC-11  
Well diameter 2 in  
Well Total Depth 42.7 ft  
Screen Length 10 ft  
Depth to Water 19.16 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.6380954 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 44.64 in  
Total Volume Pumped 6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:33:10	300.02	19.18	5.35	69.21	1.20	21.40	0.51	83.16
Last 5	12:38:10	600.01	19.23	5.29	67.99	0.47	22.18	0.41	72.66
Last 5	12:43:10	900.01	19.27	5.26	67.62	0.86	22.62	0.30	66.33
Last 5	12:48:10	1200.00	19.22	5.25	67.88	0.33	22.80	0.20	60.48
Last 5	12:53:14	1503.99	19.19	5.24	68.47	0.48	22.88	0.15	57.23
Variance 0			0.04	-0.03	-0.37			-0.12	-6.33
Variance 1			-0.05	-0.01	0.26			-0.10	-5.86
Variance 2			-0.03	-0.01	0.59			-0.05	-3.25

Notes

Extra rad here

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 14:09:22

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 41.87 ft

Pump placement from TOC 41.87 ft

Well Information:

Well ID SGWC-12  
Well diameter 2 in  
Well Total Depth 50.20 ft  
Screen Length 10 ft  
Depth to Water 15.41 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.6718835 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 42.48 in  
Total Volume Pumped 6.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:45:05	900.00	19.71	6.12	328.21	0.83	18.54	1.20	-42.37
Last 5	13:50:05	1200.00	19.85	6.12	328.23	0.20	18.80	0.85	-44.15
Last 5	13:55:06	1500.99	19.84	6.12	328.07	0.32	19.15	0.58	-44.27
Last 5	14:00:07	1801.98	19.94	6.13	329.11	0.48	19.15	0.51	-43.73
Last 5	14:05:07	2101.97	20.00	6.13	329.56	0.41	18.95	0.41	-42.67
Variance 0			-0.01	-0.00	-0.16			-0.27	-0.12
Variance 1			0.10	0.01	1.04			-0.07	0.54
Variance 2			0.07	0.00	0.44			-0.10	1.06

Notes

30min at 200ml/min, 5min at 150ml/min

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 15:51:07

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 29 ft

Pump placement from TOC 29 ft

Well Information:

Well ID SGWC-13  
Well diameter 2 in  
Well Total Depth 37.5 ft  
Screen Length 10 ft  
Depth to Water 4.15 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 24.6 in  
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:30:20	2400.62	18.01	5.99	293.44	0.50	6.15	0.58	12.66
Last 5	15:35:20	2700.62	18.08	5.99	295.67	0.43	6.18	0.53	11.91
Last 5	15:40:20	3000.62	18.04	5.99	297.74	0.47	6.18	0.51	11.74
Last 5	15:45:21	3301.62	18.02	5.98	299.15	0.38	6.19	0.48	11.99
Last 5	15:50:21	3601.62	18.01	5.98	300.95	0.47	6.20	0.45	11.87
Variance 0			-0.04	-0.01	2.08			-0.03	-0.17
Variance 1			-0.02	-0.01	1.40			-0.02	0.26
Variance 2			-0.01	-0.00	1.80			-0.03	-0.13

Notes

Started purging at 1450  
Stopped purging and began sampling at 1550

Grab Samples



Product Name: Low-Flow System

Date: 2021-02-09 16:39:51

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 30.24 ft

Pump placement from TOC 30.24 ft

Well Information:

Well ID SGWC-14  
Well diameter 2 in  
Well Total Depth 38.5 ft  
Screen Length 10 ft  
Depth to Water 10.35 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.2 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:23:36	300.72	16.52	5.98	484.59	1.73	10.45	0.98	16.74
Last 5	16:28:36	600.71	16.46	5.92	485.58	2.28	10.45	0.42	17.89
Last 5	16:33:36	900.71	16.46	5.88	485.97	1.01	10.45	0.25	19.23
Last 5	16:38:36	1200.71	16.42	5.85	486.35	0.99	10.45	0.20	19.96
Last 5									
Variance 0			-0.06	-0.06	1.00			-0.56	1.15
Variance 1			-0.00	-0.04	0.39			-0.17	1.34
Variance 2			-0.04	-0.03	0.38			-0.05	0.74

Notes

Started purging at 1618  
Stopped purging and began sampling at 1640

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 16:28:42

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 39.65 ft

Pump placement from TOC 39.65 ft

Well Information:

Well ID SGWC-15  
Well diameter 2 in  
Well Total Depth 48.2 ft  
Screen Length 10 ft  
Depth to Water 27.78 ft

Pumping Information:

Final Pumping Rate 350 mL/min  
Total System Volume 0.6619747 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.8 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:11:31	300.02	18.38	4.71	549.73	6.04	27.90	1.29	256.26
Last 5	16:16:31	600.01	18.20	4.63	550.94	4.57	27.91	0.68	366.65
Last 5	16:21:31	900.00	18.16	4.63	551.41	2.52	27.92	0.61	400.42
Last 5	16:26:31	1200.00	18.10	4.63	551.72	1.65	27.93	0.58	415.59
Last 5									
Variance 0			-0.18	-0.08	1.21			-0.62	110.39
Variance 1			-0.05	-0.01	0.47			-0.07	33.77
Variance 2			-0.05	-0.00	0.32			-0.03	15.17

Notes

FB-1 (AP) here

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 17:09:36

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 34.62 ft

Pump placement from TOC 34.62 ft

Well Information:

Well ID SGWC-16  
Well diameter 2 in  
Well Total Depth 43.3 ft  
Screen Length 10 ft  
Depth to Water 24.33 ft

Pumping Information:

Final Pumping Rate 380 mL/min  
Total System Volume 0.6395237 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.76 in  
Total Volume Pumped 7.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:52:32	300.02	18.20	5.24	160.41	14.30	24.56	2.51	166.90
Last 5	16:57:32	600.01	18.14	5.22	162.37	3.87	24.56	2.39	137.73
Last 5	17:02:32	900.01	18.11	5.22	162.64	2.27	24.56	2.32	123.57
Last 5	17:07:32	1200.00	18.07	5.22	162.74	1.44	24.56	2.30	115.67
Last 5									
Variance 0			-0.06	-0.01	1.96			-0.12	-29.17
Variance 1			-0.03	-0.00	0.27			-0.07	-14.16
Variance 2			-0.03	-0.00	0.10			-0.02	-7.90

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 09:45:10

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 19.24 ft

Pump placement from TOC 19.24 ft

Well Information:

Well ID SGWC-17  
Well diameter 2 in  
Well Total Depth 24.6 ft  
Screen Length 10 ft  
Depth to Water 1.28 ft

Pumping Information:

Final Pumping Rate 440 mL/min  
Total System Volume 0.5708762 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.64 in  
Total Volume Pumped 11 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:22:48	300.06	16.75	6.26	598.30	38.60	2.40	0.27	77.56
Last 5	09:27:48	600.01	16.92	6.24	596.56	10.10	2.45	0.13	64.72
Last 5	09:32:48	900.00	17.04	6.23	595.72	4.58	2.50	0.11	56.26
Last 5	09:37:48	1199.99	17.13	6.23	594.27	4.65	2.50	0.10	48.95
Last 5	09:42:48	1499.99	17.21	6.23	592.34	3.17	2.50	0.09	44.96
Variance 0			0.11	-0.00	-0.84			-0.02	-8.47
Variance 1			0.09	-0.00	-1.45			-0.01	-7.31
Variance 2			0.08	-0.00	-1.94			-0.01	-3.99

Notes

Extra rads here

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 10:56:52

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 39.5 ft

Pump placement from TOC 39.5 ft

Well Information:

Well ID SGWC-18  
Well diameter 2 in  
Well Total Depth 47.6 ft  
Screen Length 10 ft  
Depth to Water 39.6 ft

Pumping Information:

Final Pumping Rate 400 mL/min  
Total System Volume 0.6613052 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0 in  
Total Volume Pumped 16 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:35:34	1200.00	19.94	4.80	2160.18	10.21	--	1.70	142.88
Last 5	10:40:34	1499.99	19.96	4.80	2158.05	5.89	--	1.64	140.54
Last 5	10:45:34	1799.98	19.97	4.80	2160.19	2.50	--	1.62	139.58
Last 5	10:50:34	2099.97	20.02	4.80	2159.15	1.14	--	1.60	137.44
Last 5	10:55:34	2399.97	20.07	4.80	2158.47	0.83	39.60	1.58	136.17
Variance 0			0.01	-0.00	2.15			-0.02	-0.95
Variance 1			0.05	-0.00	-1.04			-0.02	-2.14
Variance 2			0.05	0.00	-0.69			-0.02	-1.27

Notes

WL below top of pump (BTOP). 3 volume purge  
DUP-2 here

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 11:26:12

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 29 ft

Pump placement from TOC 29 ft

Well Information:

Well ID SGWC-19  
Well diameter 2 in  
Well Total Depth 37.4 ft  
Screen Length 10 ft  
Depth to Water 15.7 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.6144392 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 12.84 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:09:12	300.02	21.74	5.64	652.23	3.20	16.59	3.28	83.32
Last 5	11:14:12	600.01	21.16	5.60	663.05	2.55	16.71	2.86	75.16
Last 5	11:19:12	900.00	20.79	5.57	671.01	2.01	16.75	2.71	70.89
Last 5	11:24:12	1200.00	20.93	5.55	668.82	1.30	16.77	2.72	68.01
Last 5									
Variance 0			-0.58	-0.04	10.82			-0.42	-8.16
Variance 1			-0.38	-0.03	7.96			-0.15	-4.27
Variance 2			0.15	-0.02	-2.20			0.01	-2.89

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 10:27:34

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 19.5 ft

Pump placement from TOC 19.5 ft

Well Information:

Well ID SGWC-20  
Well diameter 2 in  
Well Total Depth 27.9 ft  
Screen Length 10 ft  
Depth to Water 13.69 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.5720367 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.88 in  
Total Volume Pumped 7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:04:46	600.01	24.80	4.19	606.39	1.71	14.69	1.85	163.89
Last 5	10:09:46	900.00	22.38	4.18	633.63	1.33	14.80	1.67	163.93
Last 5	10:14:46	1200.00	21.46	4.19	636.89	1.09	14.92	1.48	167.60
Last 5	10:19:46	1499.99	21.45	4.21	625.95	1.31	14.92	1.44	176.40
Last 5	10:24:46	1799.98	21.20	4.22	621.67	1.01	14.93	1.37	185.65
Variance 0			-0.92	0.01	3.26			-0.19	3.67
Variance 1			-0.01	0.02	-10.94			-0.05	8.80
Variance 2			-0.25	0.01	-4.28			-0.07	9.25

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 09:33:41

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 642533  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 19.39 ft

Pump placement from TOC 19.39 ft

Well Information:

Well ID SGWC-21  
Well diameter 2 in  
Well Total Depth 27.79 ft  
Screen Length 10 ft  
Depth to Water 0.70 ft

Pumping Information:

Final Pumping Rate 425 mL/min  
Total System Volume 0.5715458 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 in  
Total Volume Pumped 12.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:08:33	600.01	19.94	6.11	565.05	2.51	0.91	1.28	89.76
Last 5	09:13:33	900.01	20.82	6.11	578.81	2.74	0.92	1.14	77.61
Last 5	09:18:33	1199.99	66.20	6.21	292.00	2.77	0.93	0.91	72.30
Last 5	09:23:33	1499.99	64.68	6.20	294.92	3.13	0.93	0.83	72.17
Last 5	09:28:33	1799.98	69.49	6.21	294.90	2.83	0.94	0.85	68.69
Variance 0			45.38	0.10	-286.81			-0.23	-5.31
Variance 1			-1.52	-0.01	2.92			-0.07	-0.13
Variance 2			4.81	0.01	-0.01			0.02	-3.48

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2021-02-10 10:49:20

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 44.2 ft

Pump placement from TOC 44.2 ft

Well Information:

Well ID SGWC-22  
Well diameter 2 in  
Well Total Depth 52.60 ft  
Screen Length 10 ft  
Depth to Water 25.75 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.4 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:30:02	300.02	19.19	5.63	376.10	6.24	26.95	0.87	57.99
Last 5	10:35:02	600.02	19.41	5.57	375.21	4.27	26.95	0.43	57.70
Last 5	10:40:02	900.02	19.46	5.57	373.50	5.00	26.95	0.23	56.66
Last 5	10:45:02	1200.02	19.50	5.58	372.35	1.68	26.95	0.18	55.50
Last 5									
Variance 0			0.22	-0.06	-0.89			-0.43	-0.29
Variance 1			0.05	0.00	-1.72			-0.20	-1.04
Variance 2			0.04	0.02	-1.15			-0.06	-1.15

Notes

Started purging at 1025  
Stopped purging and began sampling at 1045

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 09:50:29

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646777  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 44.25 ft

Pump placement from TOC 44.25 ft

Well Information:

Well ID SGWC-23  
Well diameter 2 in  
Well Total Depth 52.60 ft  
Screen Length 10 ft  
Depth to Water 30.50 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.485 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.4 in  
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:28:39	1200.02	18.28	5.93	326.47	0.39	30.70	1.91	62.80
Last 5	09:33:39	1500.02	18.40	5.89	328.92	0.45	30.70	2.19	59.53
Last 5	09:38:39	1800.02	18.46	5.87	328.47	0.34	30.70	2.42	57.01
Last 5	09:43:39	2100.02	18.52	5.86	327.75	0.43	30.70	2.56	54.99
Last 5	09:48:39	2400.47	18.60	5.85	327.12	0.35	30.70	2.63	53.34
Variance 0			0.07	-0.02	-0.44			0.24	-2.52
Variance 1			0.05	-0.01	-0.72			0.13	-2.02
Variance 2			0.09	-0.00	-0.63			0.07	-1.65

Notes

Started purging at 0908  
Stopped purging and began sampling at 0950

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 10:34:17

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 34.80 ft

Pump placement from TOC 34.80 ft

Well Information:

Well ID SGWA-24  
Well diameter 2 in  
Well Total Depth 42.9 ft  
Screen Length 10 ft  
Depth to Water 13.93 ft

Pumping Information:

Final Pumping Rate 280 mL/min  
Total System Volume 0.6407288 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 9.24 in  
Total Volume Pumped 5.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:16:57	300.09	16.95	6.44	165.20	1.07	14.63	2.38	94.97
Last 5	10:21:57	600.01	17.12	6.40	165.22	2.64	14.70	1.72	81.44
Last 5	10:26:57	900.00	17.13	6.40	165.15	3.26	14.70	1.60	67.62
Last 5	10:31:57	1200.00	17.17	6.40	164.64	3.96	14.70	1.55	57.83
Last 5									
Variance 0			0.17	-0.03	0.02			-0.66	-13.54
Variance 1			0.01	-0.01	-0.07			-0.12	-13.82
Variance 2			0.05	-0.00	-0.51			-0.04	-9.79

Notes

EB-1 (AP) here

Grab Samples

Product Name: Low-Flow System

Date: 2021-02-09 11:33:21

Project Information:

Operator Name K. Minkara  
Company Name Golder Associates  
Project Name 166235021  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646770  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 39.75 ft

Pump placement from TOC 39.75 ft

Well Information:

Well ID SGWA-25  
Well diameter 2 in  
Well Total Depth 48.00 ft  
Screen Length 10 ft  
Depth to Water 25.78 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.6624211 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.44 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:15:05	300.03	16.84	6.29	127.13	3.07	26.10	1.90	65.83
Last 5	11:20:05	600.01	17.31	6.10	125.07	2.97	26.15	0.69	55.26
Last 5	11:25:05	900.00	17.44	6.07	125.33	3.58	26.15	0.49	49.87
Last 5	11:30:05	1200.00	17.37	6.06	125.33	3.60	26.15	0.43	46.74
Last 5									
Variance 0			0.47	-0.19	-2.06			-1.21	-10.57
Variance 1			0.13	-0.03	0.26			-0.20	-5.38
Variance 2			-0.07	-0.01	-0.00			-0.07	-3.13

Notes

Grab Samples

**APPENDIX A**

**Field Data Forms  
March-April 2021**

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 12:33:49 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-1</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.4 ft</b> <b>Total Depth: 53.4 ft</b> <b>Initial Depth to Water: 36.95 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 44.6 ft</b> <b>Pump Intake From TOC: 44.6 ft</b> <b>Estimated Total Volume Pumped: 3.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 3.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## 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	
3/30/2021 12:33 PM	00:00	5.39 pH	19.02 °C	34.12 µS/cm	4.01 mg/L		116.4 mV	36.95 ft	200.00 ml/min
3/30/2021 12:38 PM	05:00	5.23 pH	18.80 °C	35.10 µS/cm	2.07 mg/L	0.40 NTU	115.4 mV	37.25 ft	200.00 ml/min
3/30/2021 12:43 PM	10:00	5.25 pH	18.84 °C	35.95 µS/cm	1.94 mg/L	0.44 NTU	113.8 mV	37.25 ft	200.00 ml/min
3/30/2021 12:48 PM	15:00	5.28 pH	19.13 °C	36.30 µS/cm	1.95 mg/L	0.24 NTU	139.5 mV	37.25 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-1	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:31:21 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-2</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 88.5 ft</b> <b>Total Depth: 98.5 ft</b> <b>Initial Depth to Water: 36.15 ft</b>	<b>Pump Type: QED</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 91.05 ft</b> <b>Pump Intake From TOC: 91.05 ft</b> <b>Estimated Total Volume Pumped: 3.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 22.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## 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	
3/30/2021 1:31 PM	00:00	6.42 pH	19.46 °C	121.13 µS/cm	4.17 mg/L	0.52 NTU	105.5 mV	36.50 ft	200.00 ml/min
3/30/2021 1:36 PM	05:00	6.66 pH	18.75 °C	123.33 µS/cm	5.01 mg/L	0.25 NTU	97.7 mV	37.86 ft	200.00 ml/min
3/30/2021 1:41 PM	10:00	6.72 pH	18.66 °C	123.63 µS/cm	4.91 mg/L	0.30 NTU	96.1 mV	37.95 ft	200.00 ml/min
3/30/2021 1:46 PM	15:00	6.73 pH	18.70 °C	123.64 µS/cm	4.85 mg/L	0.48 NTU	95.1 mV	38.05 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-2	

# Low-Flow Test Report:

Test Date / Time: 3/31/2021 10:53:14 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-3</b> <b>Well Diameter: 2 ft</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 42.82 ft Total</b> <b>Depth: 52.82 ft</b> <b>Initial Depth to Water: 30.6 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 44.9 ft</b> <b>Pump Intake From TOC: 44.9 ft</b> <b>Estimated Total Volume Pumped: 4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final</b> <b>Draw Down: 53.4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## 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	
3/31/2021 10:53 AM	00:00	6.30 pH	19.55 °C	84.43 µS/cm	5.63 mg/L	0.34 NTU	137.8 mV	30.60 ft	200.00 ml/min
3/31/2021 10:58 AM	05:00	5.75 pH	18.90 °C	89.95 µS/cm	4.04 mg/L	0.30 NTU	156.1 mV	33.46 ft	200.00 ml/min
3/31/2021 11:03 AM	10:00	5.72 pH	18.96 °C	87.07 µS/cm	3.91 mg/L	0.20 NTU	111.8 mV	34.86 ft	200.00 ml/min
3/31/2021 11:08 AM	15:00	5.72 pH	19.14 °C	86.20 µS/cm	3.91 mg/L	0.15 NTU	109.8 mV	35.00 ft	200.00 ml/min
3/31/2021 11:13 AM	20:00	5.72 pH	19.15 °C	86.27 µS/cm	3.90 mg/L	0.19 NTU	108.9 mV	35.05 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-3	



# Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:43:50 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWA-4</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 63.2 ft</b>	<b>Pump Type: QED</b> <b>Estimated Total Volume Pumped: 13 L</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 54.8 ft Flow</b> <b>Cell Volume: 90 ml Final</b> <b>Flow Rate: 100 ml/min</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/30/2021 1:43 PM	00:00	4.20 pH	22.45 °C	13.73 µS/cm	8.58 mg/L	0.44 NTU	93.6 mV	47.56 ft	150.00 ml/min
3/30/2021 1:48 PM	05:00	4.81 pH	19.22 °C	0.75 µS/cm	7.13 mg/L	0.19 NTU	64.0 mV	48.25 ft	150.00 ml/min
3/30/2021 1:53 PM	10:00	5.44 pH	18.88 °C	14.41 µS/cm	7.01 mg/L	0.27 NTU	57.7 mV	48.75 ft	150.00 ml/min
3/30/2021 1:58 PM	15:00	5.68 pH	18.68 °C	3.48 µS/cm	7.07 mg/L	0.50 NTU	54.1 mV	49.20 ft	150.00 ml/min
3/30/2021 2:03 PM	20:00	5.82 pH	18.88 °C	0.67 µS/cm	7.11 mg/L	0.43 NTU	53.0 mV	49.40 ft	150.00 ml/min
3/30/2021 2:08 PM	25:00	5.84 pH	18.82 °C	0.69 µS/cm	6.95 mg/L	0.27 NTU	49.7 mV	49.42 ft	150.00 ml/min
3/30/2021 2:13 PM	30:00	5.67 pH	18.82 °C	0.78 µS/cm	7.02 mg/L	0.55 NTU	79.2 mV	49.39 ft	100.00 ml/min
3/30/2021 2:18 PM	35:00	5.84 pH	18.93 °C	0.66 µS/cm	6.83 mg/L	0.54 NTU	93.2 mV	49.42 ft	100.00 ml/min
3/30/2021 2:23 PM	40:00	5.90 pH	19.10 °C	5.07 µS/cm	6.76 mg/L	0.53 NTU	91.2 mV	49.42 ft	100.00 ml/min
3/30/2021 2:28 PM	45:00	6.27 pH	19.00 °C	5.50 µS/cm	6.69 mg/L	0.48 NTU	99.2 mV	49.40 ft	100.00 ml/min
3/30/2021 2:33 PM	50:00	6.40 pH	18.98 °C	1.31 µS/cm	6.77 mg/L	0.61 NTU	50.0 mV	49.40 ft	100.00 ml/min
3/30/2021 2:38 PM	55:00	6.42 pH	19.08 °C	0.94 µS/cm	6.68 mg/L	0.53 NTU	89.5 mV	49.40 ft	100.00 ml/min
3/30/2021 2:43 PM	01:00:00	6.28 pH	19.33 °C	0.80 µS/cm	6.61 mg/L	1.33 NTU	99.7 mV	49.40 ft	100.00 ml/min
3/30/2021 2:48 PM	01:05:00	6.63 pH	19.61 °C	0.73 µS/cm	6.62 mg/L	1.01 NTU	60.1 mV	49.40 ft	100.00 ml/min
3/30/2021 2:53 PM	01:10:00	6.43 pH	19.95 °C	5.39 µS/cm	6.60 mg/L	0.35 NTU	89.2 mV	49.34 ft	100.00 ml/min
3/30/2021 2:58 PM	01:15:00	6.45 pH	19.52 °C	1.85 µS/cm	6.61 mg/L	0.23 NTU	49.6 mV	49.32 ft	100.00 ml/min
3/30/2021 3:03 PM	01:20:00	6.45 pH	19.83 °C	1.24 µS/cm	6.62 mg/L	0.12 NTU	50.1 mV	49.30 ft	100.00 ml/min

3/30/2021 3:08 PM	01:25:00	6.47 pH	19.91 °C	1.03 µS/cm	6.52 mg/L	0.37 NTU	50.5 mV	49.30 ft	100.00 ml/min
3/30/2021 3:13 PM	01:30:00	6.30 pH	19.95 °C	0.78 µS/cm	6.58 mg/L	0.33 NTU	81.4 mV	49.30 ft	100.00 ml/min
3/30/2021 3:18 PM	01:35:00	6.33 pH	20.17 °C	0.71 µS/cm	6.63 mg/L	0.17 NTU	99.3 mV	49.29 ft	100.00 ml/min
3/30/2021 3:23 PM	01:40:00	6.42 pH	20.35 °C	0.00 µS/cm	6.40 mg/L	0.17 NTU	51.3 mV	49.25 ft	100.00 ml/min
3/30/2021 3:28 PM	01:45:00	6.41 pH	20.29 °C	6.84 µS/cm	6.40 mg/L	0.19 NTU	88.2 mV	49.25 ft	100.00 ml/min
3/30/2021 3:33 PM	01:50:00	6.44 pH	19.82 °C	1.74 µS/cm	6.49 mg/L	0.29 NTU	52.5 mV	49.28 ft	100.00 ml/min
3/30/2021 3:38 PM	01:55:00	6.44 pH	20.64 °C	1.14 µS/cm	6.43 mg/L	0.05 NTU	51.1 mV	49.28 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:58:21 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-4</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 53.2 ft</b> <b>Total Depth: 63.2 ft</b> <b>Initial Depth to Water: 47.15 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 54.8 ft</b> <b>Pump Intake From TOC: 54.8 ft</b> <b>Estimated Total Volume Pumped: 3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 19.32 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## 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	
3/31/2021 11:58 AM	00:00	6.31 pH	26.37 °C	165.80 µS/cm	6.46 mg/L	0.37 NTU	99.2 mV	47.15 ft	200.00 ml/min
3/31/2021 12:03 PM	05:00	6.35 pH	20.13 °C	173.10 µS/cm	6.69 mg/L	0.22 NTU	78.4 mV	48.59 ft	200.00 ml/min
3/31/2021 12:08 PM	10:00	6.36 pH	20.18 °C	173.28 µS/cm	6.65 mg/L	0.21 NTU	76.7 mV	48.65 ft	200.00 ml/min
3/31/2021 12:13 PM	15:00	6.33 pH	20.44 °C	173.35 µS/cm	6.46 mg/L	0.19 NTU	78.5 mV	48.76 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-4	

# Low-Flow Test Report:

Test Date / Time: 3/31/2021 1:13:50 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-5</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 23.1 ft</b> <b>Total Depth: 33.1 ft</b> <b>Initial Depth to Water: 13.6 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 24.36 ft</b> <b>Pump Intake From TOC: 24.36 ft</b> <b>Estimated Total Volume Pumped: 5 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 9.72 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## 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	
3/31/2021 1:13 PM	00:00	6.02 pH	20.88 °C	52.93 µS/cm	6.15 mg/L	0.18 NTU	108.9 mV	13.60 ft	200.00 ml/min
3/31/2021 1:18 PM	05:00	5.65 pH	18.61 °C	54.98 µS/cm	5.60 mg/L	0.20 NTU	96.9 mV	14.25 ft	200.00 ml/min
3/31/2021 1:23 PM	10:00	5.56 pH	18.48 °C	55.30 µS/cm	5.15 mg/L	0.30 NTU	99.2 mV	14.41 ft	200.00 ml/min
3/31/2021 1:28 PM	15:00	5.58 pH	18.52 °C	55.34 µS/cm	4.91 mg/L	0.19 NTU	96.5 mV	14.41 ft	200.00 ml/min
3/31/2021 1:33 PM	20:00	5.57 pH	18.51 °C	55.44 µS/cm	4.67 mg/L	0.25 NTU	95.9 mV	14.41 ft	200.00 ml/min
3/31/2021 1:38 PM	25:00	5.50 pH	18.52 °C	55.55 µS/cm	4.54 mg/L	0.32 NTU	98.1 mV	14.41 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-5	

# Low-Flow Test Report:

Test Date / Time: 4/1/2021 11:49:26 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-6</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 27.6 ft</b> <b>Initial Depth to Water: 12.6 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 19.21 ft</b> <b>Estimated Total Volume Pumped: 7.50 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 175 ml/min Final Draw Down: 35.16 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/1/2021 11:49 AM	00:00	6.81 pH	20.47 °C	119.64 µS/cm	5.38 mg/L	0.76 NTU	74.2 mV	12.60 ft	200.00 ml/min
4/1/2021 11:50 AM	00:48	6.63 pH	19.07 °C	122.71 µS/cm	4.95 mg/L	0.76 NTU	71.4 mV	12.60 ft	200.00 ml/min
4/1/2021 11:55 AM	05:48	6.36 pH	17.32 °C	129.40 µS/cm	2.72 mg/L	0.52 NTU	64.8 mV	14.50 ft	200.00 ml/min
4/1/2021 12:00 PM	10:48	6.35 pH	17.13 °C	130.17 µS/cm	2.03 mg/L	0.57 NTU	79.3 mV	15.30 ft	200.00 ml/min
4/1/2021 12:05 PM	15:48	6.33 pH	17.10 °C	129.10 µS/cm	2.49 mg/L	1.27 NTU	64.7 mV	15.32 ft	175.00 ml/min
4/1/2021 12:10 PM	20:48	6.31 pH	17.21 °C	128.36 µS/cm	2.84 mg/L	0.80 NTU	65.7 mV	15.33 ft	175.00 ml/min
4/1/2021 12:15 PM	25:48	6.31 pH	17.34 °C	128.66 µS/cm	2.56 mg/L	0.35 NTU	63.8 mV	15.50 ft	175.00 ml/min
4/1/2021 12:20 PM	30:48	6.30 pH	17.32 °C	127.40 µS/cm	2.56 mg/L	0.37 NTU	64.6 mV	15.53 ft	175.00 ml/min
4/1/2021 12:25 PM	35:48	6.31 pH	17.42 °C	127.68 µS/cm	2.59 mg/L	0.81 NTU	63.2 mV	15.53 ft	175.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 9:49:00 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-7</b> <b>Total Depth: 37.7 ft</b>	<b>Pump Type: QED</b> <b>Estimated Total Volume Pumped:</b> <b>9 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final</b> <b>Draw Down: 12.8 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/30/2021 9:49 AM	00:00	5.79 pH	17.08 °C	0.01 µS/cm	6.84 mg/L		95.0 mV		
3/30/2021 9:54 AM	05:00	6.43 pH	17.99 °C	0.14 µS/cm	4.20 mg/L	1.35 NTU	63.1 mV	12.70 ft	200.00 ml/min
3/30/2021 9:59 AM	10:00	6.44 pH	18.07 °C	0.30 µS/cm	3.28 mg/L	1.08 NTU	58.9 mV	12.78 ft	200.00 ml/min
3/30/2021 10:04 AM	15:00	6.42 pH	18.17 °C	0.30 µS/cm	3.25 mg/L	0.95 NTU	67.5 mV	12.75 ft	200.00 ml/min
3/30/2021 10:09 AM	20:00	6.41 pH	18.17 °C	0.29 µS/cm	3.66 mg/L	0.59 NTU	56.9 mV	12.75 ft	200.00 ml/min
3/30/2021 10:14 AM	25:00	6.42 pH	18.26 °C	0.29 µS/cm	3.52 mg/L	0.64 NTU	57.3 mV	12.78 ft	200.00 ml/min
3/30/2021 10:19 AM	30:00	6.42 pH	18.26 °C	0.29 µS/cm	5.02 mg/L	0.62 NTU	56.2 mV	12.76 ft	200.00 ml/min
3/30/2021 10:24 AM	35:00	6.42 pH	18.29 °C	0.28 µS/cm	4.16 mg/L	0.58 NTU	57.0 mV	12.78 ft	200.00 ml/min
3/30/2021 10:29 AM	40:00	6.42 pH	18.30 °C	0.28 µS/cm	4.23 mg/L	0.32 NTU	56.9 mV	12.79 ft	200.00 ml/min
3/30/2021 10:34 AM	45:00	6.41 pH	18.35 °C	0.28 µS/cm	4.57 mg/L	0.71 NTU	58.7 mV	12.80 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/1/2021 10:14:35 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-7</b> <b>Total Depth: 37.7 ft</b> <b>Initial Depth to Water: 12.15 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 29.75 ft</b> <b>Estimated Total Volume Pumped: 11.2 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 4.44 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/1/2021 10:14 AM	00:00	6.67 pH	17.46 °C	297.53 µS/cm	6.02 mg/L	0.60 NTU	102.8 mV	12.15 ft	200.00 ml/min
4/1/2021 10:19 AM	05:00	6.49 pH	17.28 °C	313.73 µS/cm	3.50 mg/L	0.48 NTU	59.7 mV	12.46 ft	200.00 ml/min
4/1/2021 10:24 AM	10:00	6.46 pH	17.19 °C	314.29 µS/cm	2.85 mg/L	0.74 NTU	65.6 mV	12.50 ft	200.00 ml/min
4/1/2021 10:29 AM	15:00	6.44 pH	17.30 °C	313.36 µS/cm	2.30 mg/L	1.15 NTU	64.1 mV	12.51 ft	200.00 ml/min
4/1/2021 10:34 AM	20:00	6.43 pH	17.21 °C	312.78 µS/cm	2.10 mg/L	0.71 NTU	63.1 mV	12.52 ft	200.00 ml/min
4/1/2021 10:39 AM	25:00	6.44 pH	17.17 °C	311.58 µS/cm	1.80 mg/L	0.58 NTU	62.5 mV	12.50 ft	200.00 ml/min
4/1/2021 10:44 AM	30:00	6.44 pH	17.19 °C	310.27 µS/cm	1.93 mg/L	0.69 NTU	63.5 mV	12.50 ft	200.00 ml/min
4/1/2021 10:49 AM	35:00	6.43 pH	17.14 °C	311.04 µS/cm	1.68 mg/L	0.43 NTU	71.5 mV	12.49 ft	200.00 ml/min
4/1/2021 10:54 AM	40:00	6.43 pH	17.22 °C	305.79 µS/cm	1.72 mg/L	0.26 NTU	63.2 mV	12.52 ft	200.00 ml/min
4/1/2021 10:59 AM	45:00	6.43 pH	17.28 °C	310.02 µS/cm	1.44 mg/L	0.42 NTU	63.0 mV	12.49 ft	200.00 ml/min
4/1/2021 11:04 AM	50:00	6.43 pH	17.51 °C	308.06 µS/cm	1.33 mg/L	0.60 NTU	61.5 mV	12.51 ft	200.00 ml/min
4/1/2021 11:09 AM	55:00	6.44 pH	17.66 °C	305.67 µS/cm	1.35 mg/L	0.56 NTU	61.6 mV	12.52 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 3:00:12 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-8</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 42.6 ft</b> <b>Initial Depth to Water: 20.3 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34.2 ft</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 2.4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/31/2021 3:00 PM	00:00	7.05 pH	29.41 °C	303.85 µS/cm	7.45 mg/L	1.07 NTU	96.2 mV	20.30 ft	100.00 ml/min
3/31/2021 3:05 PM	05:00	6.60 pH	20.97 °C	565.21 µS/cm	3.68 mg/L	0.57 NTU	90.8 mV	20.50 ft	100.00 ml/min
3/31/2021 3:10 PM	10:00	6.48 pH	20.03 °C	576.88 µS/cm	2.66 mg/L	1.54 NTU	84.0 mV	20.43 ft	100.00 ml/min
3/31/2021 3:15 PM	15:00	6.45 pH	19.86 °C	580.11 µS/cm	1.96 mg/L	0.52 NTU	82.2 mV	20.50 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/1/2021 9:07:10 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-8</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 42.6 ft</b> <b>Initial Depth to Water: 20.56 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34.2 ft</b> <b>Estimated Total Volume Pumped: 6.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 3.96 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/1/2021 9:07 AM	00:00	6.85 pH	13.99 °C	595.02 µS/cm	7.70 mg/L	1.23 NTU	183.7 mV	20.56 ft	200.00 ml/min
4/1/2021 9:12 AM	05:00	6.33 pH	17.10 °C	580.92 µS/cm	2.43 mg/L	0.60 NTU	106.8 mV	20.76 ft	200.00 ml/min
4/1/2021 9:17 AM	10:00	6.31 pH	17.41 °C	588.73 µS/cm	1.40 mg/L	0.45 NTU	89.7 mV	20.85 ft	200.00 ml/min
4/1/2021 9:22 AM	15:00	6.32 pH	17.32 °C	588.59 µS/cm	1.27 mg/L	0.38 NTU	80.8 mV	20.85 ft	200.00 ml/min
4/1/2021 9:27 AM	20:00	6.32 pH	17.32 °C	588.80 µS/cm	1.11 mg/L	0.52 NTU	74.9 mV	20.89 ft	200.00 ml/min
4/1/2021 9:32 AM	25:00	6.33 pH	17.23 °C	579.73 µS/cm	1.11 mg/L	0.34 NTU	90.9 mV	20.90 ft	200.00 ml/min
4/1/2021 9:37 AM	30:00	6.32 pH	17.42 °C	584.20 µS/cm	1.09 mg/L	0.29 NTU	72.6 mV	20.89 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 1:37:20 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-9</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 37.8 ft</b> <b>Initial Depth to Water: 19.91 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 29.4 m</b> <b>Estimated Total Volume Pumped: 6.75 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min Final Draw Down: 10.08 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/31/2021 1:37 PM	00:00	6.52 pH	30.10 °C	543.60 µS/cm	7.34 mg/L	1.02 NTU	128.2 mV	19.91 ft	150.00 ml/min
3/31/2021 1:42 PM	05:00	6.25 pH	20.84 °C	610.39 µS/cm	2.41 mg/L	1.08 NTU	180.5 mV	20.56 ft	150.00 ml/min
3/31/2021 1:47 PM	10:00	6.23 pH	20.04 °C	524.88 µS/cm	1.43 mg/L	0.93 NTU	147.2 mV	20.70 ft	150.00 ml/min
3/31/2021 1:52 PM	15:00	6.22 pH	20.30 °C	611.20 µS/cm	0.93 mg/L	1.10 NTU	114.5 mV	20.70 ft	150.00 ml/min
3/31/2021 1:57 PM	20:00	6.21 pH	19.99 °C	617.94 µS/cm	1.11 mg/L	1.00 NTU	102.6 mV	20.72 ft	150.00 ml/min
3/31/2021 2:02 PM	25:00	6.21 pH	20.22 °C	627.51 µS/cm	1.46 mg/L	0.79 NTU	96.0 mV	20.72 ft	150.00 ml/min
3/31/2021 2:07 PM	30:00	6.20 pH	20.04 °C	626.91 µS/cm	1.36 mg/L	1.00 NTU	118.7 mV	20.75 ft	150.00 ml/min
3/31/2021 2:12 PM	35:00	6.20 pH	20.02 °C	630.70 µS/cm	1.15 mg/L	0.63 NTU	89.0 mV	20.72 ft	150.00 ml/min
3/31/2021 2:17 PM	40:00	6.20 pH	20.08 °C	628.83 µS/cm	1.20 mg/L	0.54 NTU	110.1 mV	20.73 ft	150.00 ml/min
3/31/2021 2:22 PM	45:00	6.20 pH	20.04 °C	640.19 µS/cm	1.15 mg/L	0.81 NTU	84.3 mV	20.75 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:19:45 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-10</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 32.6 ft</b> <b>Initial Depth to Water: 18.4 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 24.2 m</b> <b>Estimated Total Volume Pumped: 11.4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min Final Draw Down: 10.2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/31/2021 11:19 AM	00:00	5.90 pH	24.98 °C	63.20 µS/cm	7.01 mg/L	0.30 NTU	107.8 mV	18.40 ft	200.00 ml/min
3/31/2021 11:24 AM	05:00	5.36 pH	19.73 °C	62.74 µS/cm	4.40 mg/L	0.31 NTU	401.0 mV	18.72 ft	200.00 ml/min
3/31/2021 11:29 AM	10:00	5.34 pH	19.55 °C	62.15 µS/cm	3.75 mg/L	0.44 NTU	272.1 mV	19.16 ft	200.00 ml/min
3/31/2021 11:34 AM	15:00	5.33 pH	19.72 °C	61.95 µS/cm	3.37 mg/L	0.47 NTU	295.4 mV	19.20 ft	100.00 ml/min
3/31/2021 11:39 AM	20:00	5.31 pH	19.97 °C	61.70 µS/cm	2.97 mg/L	0.30 NTU	309.5 mV	19.21 ft	100.00 ml/min
3/31/2021 11:44 AM	25:00	5.30 pH	20.03 °C	62.05 µS/cm	2.53 mg/L	0.47 NTU	281.0 mV	19.21 ft	100.00 ml/min
3/31/2021 11:49 AM	30:00	5.28 pH	20.04 °C	62.73 µS/cm	2.10 mg/L	0.34 NTU	256.5 mV	19.15 ft	100.00 ml/min
3/31/2021 11:54 AM	35:00	5.27 pH	19.86 °C	64.21 µS/cm	1.70 mg/L	0.68 NTU	222.9 mV	19.12 ft	100.00 ml/min
3/31/2021 11:59 AM	40:00	5.26 pH	19.91 °C	66.09 µS/cm	1.42 mg/L	0.73 NTU	198.4 mV	19.18 ft	100.00 ml/min
3/31/2021 12:04 PM	45:00	5.26 pH	20.15 °C	68.14 µS/cm	1.20 mg/L	0.70 NTU	183.0 mV	19.16 ft	100.00 ml/min
3/31/2021 12:09 PM	50:00	5.27 pH	20.37 °C	70.32 µS/cm	1.04 mg/L	0.51 NTU	180.1 mV	19.12 ft	100.00 ml/min
3/31/2021 12:14 PM	55:00	5.27 pH	20.05 °C	72.71 µS/cm	0.93 mg/L	0.77 NTU	171.7 mV	19.10 ft	100.00 ml/min
3/31/2021 12:19 PM	01:00:00	5.27 pH	19.88 °C	75.09 µS/cm	0.81 mg/L	0.64 NTU	158.5 mV	19.10 ft	100.00 ml/min
3/31/2021 12:24 PM	01:05:00	5.27 pH	19.81 °C	77.83 µS/cm	0.76 mg/L	1.17 NTU	149.4 mV	19.15 ft	100.00 ml/min
3/31/2021 12:29 PM	01:10:00	5.28 pH	19.69 °C	80.95 µS/cm	0.70 mg/L	0.53 NTU	146.9 mV	19.20 ft	100.00 ml/min

3/31/2021 12:34 PM	01:15:00	5.28 pH	19.77 °C	83.38 µS/cm	0.66 mg/L	0.66 NTU	152.7 mV	19.22 ft	100.00 ml/min
3/31/2021 12:39 PM	01:20:00	5.29 pH	19.86 °C	86.34 µS/cm	0.62 mg/L	0.72 NTU	210.8 mV	19.22 ft	100.00 ml/min
3/31/2021 12:44 PM	01:25:00	5.29 pH	19.96 °C	88.00 µS/cm	0.57 mg/L	0.49 NTU	150.0 mV	19.25 ft	100.00 ml/min
3/31/2021 12:49 PM	01:30:00	5.29 pH	20.06 °C	90.10 µS/cm	0.50 mg/L	0.42 NTU	139.1 mV	19.25 ft	100.00 ml/min
3/31/2021 12:54 PM	01:35:00	5.30 pH	20.09 °C	92.40 µS/cm	0.45 mg/L	1.17 NTU	138.4 mV	19.20 ft	100.00 ml/min
3/31/2021 12:59 PM	01:40:00	5.30 pH	20.09 °C	94.29 µS/cm	0.42 mg/L	0.60 NTU	137.0 mV	19.25 ft	100.00 ml/min

## Samples

<b>Sample ID:</b>	<b>Description:</b>
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 9:22:17 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-11</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 42.7 ft</b> <b>Initial Depth to Water: 18.9 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34.3 m</b> <b>Estimated Total Volume Pumped: 8.85 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min Final Draw Down: 21.72 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
3/31/2021 9:22 AM	00:00	8.81 pH	19.44 °C	1.10 µS/cm	8.71 mg/L	1.13 NTU	69.9 mV	18.90 ft	200.00 ml/min
3/31/2021 9:27 AM	05:00	5.89 pH	18.79 °C	0.32 µS/cm	2.38 mg/L	1.79 NTU	89.2 mV	20.22 ft	200.00 ml/min
3/31/2021 9:32 AM	10:00	5.61 pH	18.78 °C	1.95 µS/cm	2.58 mg/L	0.91 NTU	111.7 mV	20.73 ft	200.00 ml/min
3/31/2021 9:37 AM	15:00	5.37 pH	18.73 °C	2.33 µS/cm	2.21 mg/L	1.55 NTU	105.1 mV	20.75 ft	200.00 ml/min
3/31/2021 9:42 AM	20:00	5.32 pH	18.73 °C	0.65 µS/cm	1.81 mg/L	0.76 NTU	50.1 mV	20.80 ft	200.00 ml/min
3/31/2021 9:42 AM	20:42	5.32 pH	18.79 °C	0.40 µS/cm	2.15 mg/L	0.76 NTU	87.1 mV	20.80 ft	200.00 ml/min
3/31/2021 9:47 AM	25:42	5.29 pH	18.85 °C	0.47 µS/cm	1.73 mg/L	0.57 NTU	48.8 mV	20.81 ft	200.00 ml/min
3/31/2021 9:52 AM	30:42	5.26 pH	18.85 °C	0.41 µS/cm	2.44 mg/L	0.29 NTU	83.3 mV	20.82 ft	200.00 ml/min
3/31/2021 9:57 AM	35:42	5.18 pH	18.89 °C	0.38 µS/cm	2.15 mg/L	0.39 NTU	62.8 mV	20.85 ft	200.00 ml/min
3/31/2021 10:02 AM	40:42	5.20 pH	18.96 °C	0.18 µS/cm	1.90 mg/L	0.22 NTU	51.3 mV	20.84 ft	200.00 ml/min
3/31/2021 10:07 AM	45:42	5.24 pH	18.84 °C	0.79 µS/cm	3.49 mg/L	0.29 NTU	80.8 mV	20.85 ft	200.00 ml/min
3/31/2021 10:12 AM	50:42	5.21 pH	18.77 °C	0.59 µS/cm	2.60 mg/L	0.54 NTU	51.5 mV	20.85 ft	200.00 ml/min
3/31/2021 10:15 AM	53:16	4.13 pH	19.29 °C	4,391.7 µS/cm	8.20 mg/L		246.9 mV	20.85 ft	200.00 ml/min
3/31/2021 10:20 AM	58:19	4.93 pH	19.08 °C	69.70 µS/cm	1.13 mg/L	0.48 NTU	177.4 mV	20.65 ft	200.00 ml/min
3/31/2021 10:25 AM	01:03:19	5.02 pH	19.01 °C	60.72 µS/cm	0.56 mg/L	0.61 NTU	103.5 mV	20.66 ft	200.00 ml/min

3/31/2021 10:30 AM	01:08:19	5.07 pH	19.35 °C	60.54 µS/cm	0.61 mg/L	0.27 NTU	122.0 mV	20.71 ft	200.00 ml/min
3/31/2021 10:35 AM	01:13:19	5.10 pH	19.59 °C	60.89 µS/cm	0.61 mg/L	0.28 NTU	88.9 mV	20.71 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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Product Name: Low-Flow System

Date: 2021-03-31 11:21:09

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name Plant Scherer  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethelene  
Tubing Diameter 0.170 in  
Tubing Length 41.87 ft

Pump placement from TOC 41.87 ft

Well Information:

Well ID SGWC-12  
Well diameter 2 in  
Well Total Depth 50.20 ft  
Screen Length 10 ft  
Depth to Water 15.09 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.6718835 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 33.96 in  
Total Volume Pumped 5.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:58:26	900.02	18.78	6.10	301.09	0.86	17.76	1.06	25.78
Last 5	11:03:26	1200.32	18.86	6.09	302.54	0.63	17.88	1.05	23.09
Last 5	11:08:36	1510.32	18.86	6.10	303.42	0.55	17.91	0.79	20.28
Last 5	11:13:36	1810.32	19.08	6.11	304.22	0.61	17.92	0.88	19.22
Last 5	11:18:36	2110.32	19.48	6.11	304.44	0.57	17.92	0.82	17.49
Variance 0			0.00	0.01	0.88			-0.26	-2.81
Variance 1			0.22	0.01	0.80			0.09	-1.07
Variance 2			0.39	-0.00	0.22			-0.06	-1.73

Notes

Grab Samples

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:22:59 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-12</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.2 ft</b> <b>Total Depth: 50.2 ft</b> <b>Initial Depth to Water: 15.03 ft</b>	<b>Pump Intake From TOC: 57 ft</b> <b>Estimated Total Volume Pumped: 4.3 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min Final Draw Down: 29.76 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/7/2021 2:22 PM	00:00	6.61 pH	25.05 °C	273.65 µS/cm	3.80 mg/L	8.32 NTU	-48.9 mV	15.03 ft	260.00 ml/min
4/7/2021 2:27 PM	05:00	6.51 pH	21.06 °C	275.91 µS/cm	1.00 mg/L	1.58 NTU	-27.3 mV	17.44 ft	150.00 ml/min
4/7/2021 2:32 PM	10:00	6.47 pH	21.92 °C	273.90 µS/cm	0.67 mg/L	1.41 NTU	-22.5 mV	17.51 ft	150.00 ml/min
4/7/2021 2:37 PM	15:00	6.44 pH	21.47 °C	274.70 µS/cm	0.25 mg/L	1.24 NTU	-26.6 mV	17.51 ft	150.00 ml/min
4/7/2021 2:42 PM	20:00	6.43 pH	22.02 °C	274.77 µS/cm	0.31 mg/L	1.13 NTU	-16.0 mV	17.51 ft	150.00 ml/min
4/7/2021 2:47 PM	25:00	6.44 pH	22.21 °C	273.25 µS/cm	0.30 mg/L	0.88 NTU	-17.0 mV	17.51 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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Product Name: Low-Flow System

Date: 2021-03-31 12:27:05

Project Information:

Operator Name A. McClure  
Company Name Golder Associates  
Project Name Plant Scherer  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethelene  
Tubing Diameter 0.170 in  
Tubing Length 29 ft

Pump placement from TOC 29 ft

Well Information:

Well ID SGWC-13  
Well diameter 2 in  
Well Total Depth 37.50 ft  
Screen Length 10 ft  
Depth to Water 4.41 ft

Pumping Information:

Final Pumping Rate 225 mL/min  
Total System Volume 0.6144392 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 16.8 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:10:03	300.03	18.37	6.04	292.41	3.14	5.61	1.53	55.00
Last 5	12:15:03	600.02	18.10	6.02	291.86	1.30	5.79	0.87	53.46
Last 5	12:20:03	900.02	18.05	6.01	292.52	1.32	5.80	0.48	52.26
Last 5	12:25:06	1203.02	18.21	6.02	290.36	1.87	5.81	0.37	51.53
Last 5									
Variance 0			-0.27	-0.02	-0.56			-0.66	-1.54
Variance 1			-0.05	-0.01	0.67			-0.39	-1.20
Variance 2			0.16	0.00	-2.17			-0.11	-0.73

Notes

Grab Samples

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:54:35 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-13</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 37.5 m</b> <b>Initial Depth to Water: 4.51 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 29.1 ft</b> <b>Estimated Total Volume Pumped: 6 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 19.08 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/7/2021 2:54 PM	00:00	6.47 pH	30.10 °C	252.35 µS/cm	2.87 mg/L	1.15 NTU	155.5 mV	4.51 ft	200.00 ml/min
4/7/2021 2:59 PM	05:00	6.11 pH	20.22 °C	281.55 µS/cm	1.51 mg/L	3.51 NTU	114.9 mV	5.70 ft	200.00 ml/min
4/7/2021 3:04 PM	10:00	6.09 pH	19.97 °C	283.08 µS/cm	1.04 mg/L	2.04 NTU	110.8 mV	6.00 ft	200.00 ml/min
4/7/2021 3:09 PM	15:00	6.08 pH	19.61 °C	282.54 µS/cm	0.65 mg/L	1.41 NTU	99.6 mV	6.05 ft	200.00 ml/min
4/7/2021 3:14 PM	20:00	6.08 pH	19.78 °C	280.72 µS/cm	0.47 mg/L	3.13 NTU	95.2 mV	6.10 ft	200.00 ml/min
4/7/2021 3:19 PM	25:00	6.08 pH	19.80 °C	280.74 µS/cm	0.39 mg/L	1.21 NTU	88.8 mV	6.10 ft	200.00 ml/min
4/7/2021 3:24 PM	30:00	6.07 pH	19.73 °C	284.00 µS/cm	0.35 mg/L	2.06 NTU	86.5 mV	6.10 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:54:35 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-13</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 37.5 ft</b> <b>Initial Depth to Water: 4.51 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 29.1 ft</b> <b>Estimated Total Volume Pumped: 6 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 19.08 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/7/2021 2:54 PM	00:00	6.47 pH	30.10 °C	252.35 µS/cm	2.87 mg/L	1.15 NTU	155.5 mV	4.51 ft	200.00 ml/min
4/7/2021 2:59 PM	05:00	6.11 pH	20.22 °C	281.55 µS/cm	1.51 mg/L	3.51 NTU	114.9 mV	5.70 ft	200.00 ml/min
4/7/2021 3:04 PM	10:00	6.09 pH	19.97 °C	283.08 µS/cm	1.04 mg/L	2.04 NTU	110.8 mV	6.00 ft	200.00 ml/min
4/7/2021 3:09 PM	15:00	6.08 pH	19.61 °C	282.54 µS/cm	0.65 mg/L	1.41 NTU	99.6 mV	6.05 ft	200.00 ml/min
4/7/2021 3:14 PM	20:00	6.08 pH	19.78 °C	280.72 µS/cm	0.47 mg/L	3.13 NTU	95.2 mV	6.10 ft	200.00 ml/min
4/7/2021 3:19 PM	25:00	6.08 pH	19.80 °C	280.74 µS/cm	0.39 mg/L	1.21 NTU	88.8 mV	6.10 ft	200.00 ml/min
4/7/2021 3:24 PM	30:00	6.07 pH	19.73 °C	284.00 µS/cm	0.35 mg/L	2.06 NTU	86.5 mV	6.10 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/6/2021 10:19:24 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-14</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 38.5 m</b> <b>Initial Depth to Water: 10.5 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Estimated Total Volume Pumped: 6 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 1.2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/6/2021 10:19 AM	00:00	7.77 pH	18.44 °C	495.47 µS/cm	8.44 mg/L	1.83 NTU	181.1 mV	10.50 ft	200.00 ml/min
4/6/2021 10:24 AM	05:00	6.16 pH	16.22 °C	494.90 µS/cm	2.01 mg/L	6.54 NTU	85.0 mV	10.60 ft	200.00 ml/min
4/6/2021 10:29 AM	10:00	5.93 pH	16.21 °C	490.26 µS/cm	1.55 mg/L	3.64 NTU	110.3 mV	10.60 ft	200.00 ml/min
4/6/2021 10:34 AM	15:00	5.88 pH	16.27 °C	478.31 µS/cm	1.39 mg/L	3.17 NTU	76.4 mV	10.60 ft	200.00 ml/min
4/6/2021 10:39 AM	20:00	5.86 pH	16.38 °C	493.47 µS/cm	1.19 mg/L	2.20 NTU	75.3 mV	10.60 ft	200.00 ml/min
4/6/2021 10:44 AM	25:00	5.84 pH	16.38 °C	490.92 µS/cm	1.10 mg/L	2.48 NTU	78.4 mV	10.60 ft	200.00 ml/min
4/6/2021 10:49 AM	30:00	5.84 pH	16.43 °C	496.01 µS/cm	1.11 mg/L	2.04 NTU	79.8 mV	10.60 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 1:38:57 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-15</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 48.2 ft</b> <b>Initial Depth to Water: 26.84 ft</b>	<b>Estimated Total Volume Pumped: 11.40 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 380 ml/min</b> <b>Final Draw Down: 1.80 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.1	
3/31/2021 1:38 PM	00:00	4.99 pH	19.62 °C	457.36 µS/cm	1.44 mg/L	27.70 NTU	322.4 mV	26.84 ft	380.00 ml/min
3/31/2021 1:43 PM	05:00	4.87 pH	19.15 °C	471.24 µS/cm	0.56 mg/L	22.30 NTU	400.3 mV	26.98 ft	380.00 ml/min
3/31/2021 1:48 PM	10:00	4.82 pH	18.75 °C	473.18 µS/cm	0.53 mg/L	11.60 NTU	419.7 mV	27.01 ft	380.00 ml/min
3/31/2021 1:53 PM	15:00	4.78 pH	18.90 °C	473.36 µS/cm	0.53 mg/L	8.43 NTU	540.2 mV	27.01 ft	380.00 ml/min
3/31/2021 1:58 PM	20:00	4.78 pH	18.82 °C	473.13 µS/cm	0.53 mg/L	5.71 NTU	431.5 mV	26.99 ft	380.00 ml/min
3/31/2021 2:03 PM	25:00	4.76 pH	19.10 °C	472.56 µS/cm	0.53 mg/L	5.24 NTU	555.0 mV	26.99 ft	380.00 ml/min
3/31/2021 2:08 PM	30:00	4.77 pH	18.90 °C	472.48 µS/cm	0.53 mg/L	4.69 NTU	456.4 mV	26.99 ft	380.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/1/2021 2:34:59 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-16</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 43.3 ft</b> <b>Initial Depth to Water: 22.9 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34.62 ft</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.44 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/1/2021 2:34 PM	00:00	6.19 pH	22.00 °C	128.43 µS/cm	5.97 mg/L	0.51 NTU	115.1 mV	22.90 ft	200.00 ml/min
4/1/2021 2:39 PM	05:00	5.34 pH	17.69 °C	143.31 µS/cm	4.69 mg/L	0.82 NTU	110.0 mV	23.00 ft	200.00 ml/min
4/1/2021 2:44 PM	10:00	5.30 pH	17.46 °C	144.90 µS/cm	3.59 mg/L	1.36 NTU	107.1 mV	23.01 ft	200.00 ml/min
4/1/2021 2:49 PM	15:00	5.26 pH	17.63 °C	146.24 µS/cm	3.52 mg/L	0.73 NTU	140.0 mV	23.01 ft	200.00 ml/min
4/1/2021 2:54 PM	20:00	5.24 pH	17.59 °C	145.56 µS/cm	3.37 mg/L	0.78 NTU	110.5 mV	23.02 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/1/2021 1:09:08 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWC-17</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 24.6 ft</b> <b>Initial Depth to Water: 1.31 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 19.24 ft</b> <b>Estimated Total Volume Pumped: 7 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 6.12 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/1/2021 1:09 PM	00:00	6.50 pH	21.45 °C	515.13 µS/cm	4.61 mg/L	4.26 NTU	73.9 mV	1.31 ft	200.00 ml/min
4/1/2021 1:14 PM	05:00	6.30 pH	16.74 °C	580.41 µS/cm	2.03 mg/L	2.94 NTU	69.5 mV	1.72 ft	200.00 ml/min
4/1/2021 1:14 PM	05:39	6.26 pH	16.72 °C	601.07 µS/cm	1.75 mg/L	2.94 NTU	74.8 mV	1.72 ft	200.00 ml/min
4/1/2021 1:19 PM	10:39	6.26 pH	16.57 °C	581.79 µS/cm	0.99 mg/L	2.67 NTU	72.2 mV	1.80 ft	200.00 ml/min
4/1/2021 1:24 PM	15:39	6.26 pH	16.64 °C	575.71 µS/cm	0.94 mg/L	3.06 NTU	70.5 mV	1.80 ft	200.00 ml/min
4/1/2021 1:29 PM	20:39	6.26 pH	16.60 °C	577.86 µS/cm	0.82 mg/L	1.31 NTU	71.8 mV	1.81 ft	200.00 ml/min
4/1/2021 1:34 PM	25:39	6.26 pH	16.65 °C	578.31 µS/cm	0.79 mg/L	1.24 NTU	71.4 mV	1.81 ft	200.00 ml/min
4/1/2021 1:39 PM	30:39	6.25 pH	16.79 °C	577.79 µS/cm	0.77 mg/L	1.14 NTU	72.0 mV	1.82 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 10:37:59 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40 ft</b> <b>Total Depth: 47.6 ft</b>	<b>Estimated Total Volume Pumped:</b> <b>6 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5
3/30/2021 10:37 AM	00:00	4.83 pH	22.65 °C	1,894.0 µS/cm	1.75 mg/L		137.4 mV	BTOP
3/30/2021 10:39 AM	01:41	4.82 pH	20.48 °C	1,921.2 µS/cm	2.18 mg/L		156.9 mV	BTOP
3/30/2021 10:44 AM	06:41	4.82 pH	20.06 °C	1,916.3 µS/cm	1.96 mg/L	13.2	161.6 mV	BTOP
3/30/2021 10:49 AM	11:41	4.83 pH	20.15 °C	1,924.2 µS/cm	1.82 mg/L	8.91	169.6 mV	BTOP
3/30/2021 10:54 AM	16:41	4.82 pH	20.16 °C	1,922.3 µS/cm	1.83 mg/L	5.70	177.5 mV	BTOP
3/30/2021 10:59 AM	21:41	4.82 pH	20.17 °C	1,923.0 µS/cm	1.83 mg/L	3.24	185.9 mV	BTOP

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 3:42:31 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 37.4 ft</b> <b>Initial Depth to Water: 15.21 ft</b>	<b>Estimated Total Volume Pumped: 6.80 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 340 ml/min</b> <b>Final Draw Down: 0 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10		
3/30/2021 3:42 PM	00:00	5.76 pH	19.86 °C	591.24 µS/cm	4.25 mg/L	7.88	164.7 mV	15.21 m	340.00 ml/min
3/30/2021 3:47 PM	05:00	5.65 pH	19.76 °C	600.35 µS/cm	3.36 mg/L	3.78	126.7 mV	15.21 m	340.00 ml/min
3/30/2021 3:52 PM	10:00	5.61 pH	19.77 °C	591.66 µS/cm	3.06 mg/L	1.88	113.6 mV	15.21 m	340.00 ml/min
3/30/2021 3:57 PM	15:00	5.59 pH	19.77 °C	589.88 µS/cm	2.97 mg/L	1.38	106.1 mV	15.21 m	340.00 ml/min
3/30/2021 4:02 PM	20:00	5.57 pH	19.67 °C	590.07 µS/cm	2.96 mg/L	1.16	126.8 mV	15.21 m	340.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 12:16:53 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 27.9 ft</b> <b>Initial Depth to Water: 13.04 ft</b>	<b>Estimated Total Volume Pumped: 10.5 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 300 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10		
3/30/2021 12:16 PM	00:00	4.24 pH	20.71 °C	558.78 µS/cm	1.46 mg/L	2.05	290.6 mV	13.04 m	300.00 ml/min
3/30/2021 12:21 PM	05:00	4.23 pH	20.62 °C	567.22 µS/cm	1.35 mg/L	1.07	332.6 mV	13.04 m	300.00 ml/min
3/30/2021 12:26 PM	10:00	4.25 pH	20.63 °C	558.85 µS/cm	1.07 mg/L	0.38	354.0 mV	13.04 m	300.00 ml/min
3/30/2021 12:31 PM	15:00	4.27 pH	20.65 °C	547.57 µS/cm	0.82 mg/L	0.12	304.4 mV	13.04 m	300.00 ml/min
3/30/2021 12:36 PM	20:00	4.28 pH	20.64 °C	538.25 µS/cm	0.69 mg/L	0.19	315.4 mV	13.04 m	300.00 ml/min
3/30/2021 12:41 PM	25:00	4.30 pH	20.71 °C	530.33 µS/cm	0.58 mg/L	0.06	324.8 mV	13.04 m	300.00 ml/min
3/30/2021 12:46 PM	30:00	4.31 pH	20.66 °C	523.55 µS/cm	0.51 mg/L	0.04	332.3 mV	13.04 m	300.00 ml/min
3/30/2021 12:51 PM	35:00	4.32 pH	20.65 °C	519.18 µS/cm	0.46 mg/L	2.83	346.0 mV	13.04 m	300.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:50:05 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 27.79 ft</b> <b>Initial Depth to Water: 0 ft</b>	<b>Estimated Total Volume Pumped: 7.50 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 300 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10		
3/30/2021 1:50 PM	00:00	6.16 pH	18.87 °C	518.58 µS/cm	0.81 mg/L	38.8	88.8 mV	0.00	300.00 ml/min
3/30/2021 1:55 PM	05:00	6.16 pH	19.01 °C	521.69 µS/cm	0.17 mg/L	25.8	109.0 mV	0.00	300.00 ml/min
3/30/2021 2:00 PM	10:00	6.17 pH	19.06 °C	521.37 µS/cm	0.11 mg/L	11.5	90.0 mV	0.00	300.00 ml/min
3/30/2021 2:05 PM	15:00	6.17 pH	19.08 °C	520.08 µS/cm	0.10 mg/L	7.30	88.8 mV	0.00	300.00 ml/min
3/30/2021 2:10 PM	20:00	6.17 pH	19.10 °C	518.90 µS/cm	0.10 mg/L	5.85	91.6 mV	0.00	300.00 ml/min
3/30/2021 2:15 PM	25:00	6.16 pH	19.19 °C	519.93 µS/cm	0.10 mg/L	4.03	92.8 mV	0.00	300.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:18:40 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-22</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Total Depth: 52.6 ft</b> <b>Initial Depth to Water: 24.85 ft</b>	<b>Estimated Total Volume Pumped: 9.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 360 ml/min</b> <b>Final Draw Down: 26.88 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
3/31/2021 11:18 AM	00:00	5.82 pH	20.84 °C	351.29 µS/cm	3.13 mg/L	0.72 NTU	-49.8 mV	24.85 ft	360.00 ml/min
3/31/2021 11:23 AM	05:00	5.65 pH	19.70 °C	364.10 µS/cm	0.37 mg/L	2.90 NTU	37.4 mV	26.69 ft	360.00 ml/min
3/31/2021 11:28 AM	10:00	5.66 pH	19.81 °C	361.48 µS/cm	0.13 mg/L	3.00 NTU	57.5 mV	26.91 ft	360.00 ml/min
3/31/2021 11:33 AM	15:00	5.70 pH	19.52 °C	357.93 µS/cm	0.11 mg/L	3.39 NTU	56.5 mV	27.01 ft	360.00 ml/min
3/31/2021 11:35 AM	16:53	5.71 pH	19.86 °C	358.45 µS/cm	0.11 mg/L	3.39 NTU	63.0 mV	27.01 ft	360.00 ml/min
3/31/2021 11:40 AM	21:53	5.73 pH	19.79 °C	356.50 µS/cm	0.12 mg/L	3.51 NTU	101.1 mV	27.09 ft	360.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/31/2021 10:00:42 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: SGWC-23</b> <b>Initial Depth to Water: 29.58 ft</b>	<b>Estimated Total Volume Pumped:</b> <b>9.12 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 340 ml/min</b> <b>Final Draw Down: 2.76 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
3/31/2021 10:00 AM	00:00	6.05 pH	19.06 °C	303.75 µS/cm	2.43 mg/L	0.84 NTU	86.7 mV	29.58 ft	340.00 ml/min
3/31/2021 10:02 AM	01:50	6.02 pH	19.01 °C	299.80 µS/cm	2.09 mg/L	0.84 NTU	93.7 mV	29.58 ft	340.00 ml/min
3/31/2021 10:07 AM	06:50	5.99 pH	18.92 °C	303.03 µS/cm	1.98 mg/L	0.45 NTU	83.0 mV	29.79 ft	340.00 ml/min
3/31/2021 10:12 AM	11:50	5.96 pH	18.93 °C	309.45 µS/cm	2.26 mg/L	0.33 NTU	98.7 mV	29.81 ft	340.00 ml/min
3/31/2021 10:17 AM	16:50	5.93 pH	18.90 °C	303.17 µS/cm	2.49 mg/L	0.05 NTU	84.6 mV	29.80 ft	340.00 ml/min
3/31/2021 10:22 AM	21:50	5.93 pH	19.12 °C	302.74 µS/cm	2.55 mg/L	0.10 NTU	89.3 mV	29.79 ft	340.00 ml/min
3/31/2021 10:27 AM	26:50	5.93 pH	19.08 °C	298.76 µS/cm	2.61 mg/L	0.37 NTU	81.7 mV	29.81 ft	340.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 3/30/2021 11:23:08 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-24</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 32.9 ft</b> <b>Total Depth: 42.9 ft</b> <b>Initial Depth to Water: 13.3 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 34.89 ft</b> <b>Estimated Total Volume Pumped: 4.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 10.2 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## 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	
3/30/2021 11:23 AM	00:00	6.52 pH	17.95 °C	149.57 µS/cm	3.86 mg/L		108.1 mV	13.30 ft	200.00 ml/min
3/30/2021 11:28 AM	05:00	6.33 pH	18.01 °C	148.55 µS/cm	2.27 mg/L	0.94 NTU	86.7 mV	14.00 ft	200.00 ml/min
3/30/2021 11:33 AM	10:00	6.31 pH	18.11 °C	148.12 µS/cm	1.97 mg/L	0.90 NTU	82.9 mV	14.10 ft	200.00 ml/min
3/30/2021 11:38 AM	15:00	6.25 pH	18.11 °C	148.15 µS/cm	1.91 mg/L	0.85 NTU	99.3 mV	14.15 ft	200.00 ml/min
3/30/2021 11:43 AM	20:00	6.27 pH	18.17 °C	148.03 µS/cm	1.87 mg/L	0.90 NTU	82.8 mV	14.15 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-24	

# Low-Flow Test Report:

Test Date / Time: 3/30/2021 2:31:01 PM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: SGWA-25</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 38 ft</b> <b>Total Depth: 48 ft</b> <b>Initial Depth to Water: 24.8 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: poly</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 39.75 ft</b> <b>Pump Intake From TOC: 39.75 ft</b> <b>Estimated Total Volume Pumped: 5.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 6.0 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## 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	
3/30/2021 2:31 PM	00:00	6.69 pH	20.13 °C	108.06 µS/cm	5.95 mg/L	1.97 NTU	95.0 mV	24.80 ft	200.00 ml/min
3/30/2021 2:36 PM	05:00	5.98 pH	18.50 °C	112.59 µS/cm	1.72 mg/L	1.00 NTU	91.2 mV	25.30 ft	200.00 ml/min
3/30/2021 2:41 PM	10:00	5.97 pH	18.47 °C	103.64 µS/cm	1.26 mg/L	0.75 NTU	105.3 mV	25.30 ft	200.00 ml/min
3/30/2021 2:46 PM	15:00	6.02 pH	18.54 °C	112.57 µS/cm	1.25 mg/L	0.70 NTU	86.1 mV	25.30 ft	200.00 ml/min
3/30/2021 2:51 PM	20:00	6.01 pH	18.57 °C	112.36 µS/cm	1.30 mg/L	0.36 NTU	101.2 mV	25.30 ft	200.00 ml/min
3/30/2021 2:56 PM	25:00	6.04 pH	18.57 °C	112.34 µS/cm	1.28 mg/L	0.34 NTU	84.6 mV	25.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
SGWA-25	

# Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:39:20 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: SGWA-25</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 48 ft</b> <b>Initial Depth to Water: 24.9 ft</b>	<b>Pump Type: Development</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 39.75 ft</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 3.72 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/7/2021 1:39 PM	00:00	6.36 pH	21.37 °C	105.10 µS/cm	3.32 mg/L	1.22 NTU	85.4 mV	24.90 ft	250.00 ml/min
4/7/2021 1:44 PM	05:00	6.15 pH	19.10 °C	109.56 µS/cm	1.05 mg/L	11.90 NTU	75.9 mV	25.40 ft	250.00 ml/min
4/7/2021 1:49 PM	10:00	6.14 pH	19.03 °C	110.97 µS/cm	0.90 mg/L	9.85 NTU	74.3 mV	25.45 ft	250.00 ml/min
4/7/2021 1:54 PM	15:00	6.12 pH	19.20 °C	111.69 µS/cm	0.95 mg/L	8.38 NTU	71.3 mV	25.20 ft	200.00 ml/min
4/7/2021 1:59 PM	20:00	6.12 pH	19.81 °C	110.75 µS/cm	1.40 mg/L	8.06 NTU	70.0 mV	25.20 ft	200.00 ml/min
4/7/2021 2:04 PM	25:00	6.13 pH	19.78 °C	111.13 µS/cm	1.45 mg/L	6.04 NTU	69.5 mV	25.21 ft	200.00 ml/min
4/7/2021 2:09 PM	30:00	6.12 pH	19.95 °C	110.65 µS/cm	1.40 mg/L	4.78 NTU	72.1 mV	25.21 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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**APPENDIX A**

**Field Data Forms  
Additional Sampling**

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:39:01 AM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: PZ-13S</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 38.1 ft</b> <b>Total Depth: 48.1 ft</b> <b>Initial Depth to Water: 29.62 ft</b>	<b>Pump Intake From TOC: 43 ft</b> <b>Estimated Total Volume Pumped: 3.60 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 240 ml/min</b> <b>Final Draw Down: 2.64 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/2/2021 9:39 AM	00:00	5.33 pH	12.13 °C	77.10 µS/cm	3.58 mg/L	2.66 NTU	196.6 mV	29.62 ft	240.00 ml/min
4/2/2021 9:44 AM	05:00	5.00 pH	16.56 °C	54.53 µS/cm	0.44 mg/L	2.60 NTU	168.4 mV	29.84 ft	240.00 ml/min
4/2/2021 9:49 AM	10:00	5.02 pH	16.83 °C	54.20 µS/cm	0.27 mg/L	1.94 NTU	156.7 mV	29.84 ft	240.00 ml/min
4/2/2021 9:54 AM	15:00	5.03 pH	16.85 °C	54.00 µS/cm	0.24 mg/L	0.92 NTU	147.4 mV	29.84 ft	240.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:50:58 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: PZ-14I</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 98.25 ft</b> <b>Initial Depth to Water: 25.25 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 93.25 ft</b> <b>Estimated Total Volume Pumped: 3.50 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 175 ml/min Final Draw Down: -2.76 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/2/2021 9:50 AM	00:00	7.32 pH	10.08 °C	213.32 µS/cm	5.73 mg/L	0.41 NTU	141.1 mV	25.25 ft	175.00 ml/min
4/2/2021 9:55 AM	05:00	6.58 pH	14.99 °C	184.99 µS/cm	1.96 mg/L	1.15 NTU	124.2 mV	25.00 ft	175.00 ml/min
4/2/2021 10:00 AM	10:00	6.47 pH	15.36 °C	183.38 µS/cm	2.06 mg/L	0.98 NTU	96.1 mV	25.00 ft	175.00 ml/min
4/2/2021 10:05 AM	15:00	6.48 pH	15.49 °C	182.60 µS/cm	1.99 mg/L	1.08 NTU	84.9 mV	25.01 ft	175.00 ml/min
4/2/2021 10:10 AM	20:00	6.42 pH	15.58 °C	183.13 µS/cm	2.03 mg/L	0.89 NTU	107.6 mV	25.02 ft	175.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:44:21 AM

Project: Plant Scherer

Operator Name: A. McClure

<b>Location Name: PZ-14S</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 38.25 ft</b> <b>Total Depth: 48.25 ft</b> <b>Initial Depth to Water: 23.5 ft</b>	<b>Pump Type: Alexis</b> <b>Tubing Type: Polyethylene Pump</b> <b>Intake From TOC: 43 ft</b> <b>Estimated Total Volume Pumped: 5.6 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min Final Draw Down: 0.12 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## 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 %	+/- 10	+/- 10	+/- 5	
4/2/2021 9:44 AM	00:00	7.84 pH	7.13 °C	224.45 µS/cm	10.22 mg/L		145.8 mV	23.50 ft	
4/2/2021 9:49 AM	05:00	5.45 pH	13.68 °C	75.08 µS/cm	0.72 mg/L	0.88 NTU	74.5 mV	23.51 ft	160.00 ml/min
4/2/2021 9:54 AM	10:00	5.46 pH	14.44 °C	68.04 µS/cm	0.31 mg/L	0.84 NTU	62.0 mV	23.51 ft	160.00 ml/min
4/2/2021 9:59 AM	15:00	5.47 pH	14.82 °C	65.27 µS/cm	0.25 mg/L	1.21 NTU	58.7 mV	23.51 ft	160.00 ml/min
4/2/2021 10:04 AM	20:00	5.42 pH	14.99 °C	62.22 µS/cm	0.22 mg/L	1.10 NTU	57.9 mV	23.51 ft	160.00 ml/min
4/2/2021 10:09 AM	25:00	5.40 pH	15.00 °C	59.87 µS/cm	0.23 mg/L	0.97 NTU	56.8 mV	23.51 ft	160.00 ml/min
4/2/2021 10:14 AM	30:00	5.39 pH	15.23 °C	58.69 µS/cm	0.26 mg/L	0.88 NTU	62.7 mV	23.51 ft	160.00 ml/min
4/2/2021 10:19 AM	35:00	5.38 pH	15.42 °C	58.16 µS/cm	0.22 mg/L	0.85 NTU	62.1 mV	23.51 ft	160.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:25:22 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: PZ-25S</b> <b>Well Diameter: 2 in</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 48.05 ft</b> <b>Total Depth: 58.05 ft</b>	<b>Pump Type: Bladder</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 53 ft</b> <b>Pump Intake From TOC: 53 ft</b> <b>Estimated Total Volume Pumped:</b> <b>10 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 14.4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## 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	
4/2/2021 9:25 AM	00:00	5.53 pH	9.57 °C	107.25 µS/cm	5.46 mg/L	4.75 NTU	122.5 mV	37.70 ft	200.00 ml/min
4/2/2021 9:30 AM	05:00	5.60 pH	14.30 °C	84.19 µS/cm	1.93 mg/L	5.46 NTU	46.7 mV	38.30 ft	200.00 ml/min
4/2/2021 9:35 AM	10:00	5.57 pH	15.21 °C	81.40 µS/cm	1.58 mg/L	5.39 NTU	29.3 mV	38.80 ft	200.00 ml/min
4/2/2021 9:40 AM	15:00	5.59 pH	15.02 °C	81.16 µS/cm	1.46 mg/L	6.60 NTU	24.4 mV	38.80 ft	200.00 ml/min
4/2/2021 9:45 AM	20:00	5.57 pH	15.16 °C	81.27 µS/cm	1.49 mg/L	6.20 NTU	25.1 mV	38.90 ft	200.00 ml/min
4/2/2021 9:50 AM	25:00	5.60 pH	15.35 °C	80.40 µS/cm	1.50 mg/L	6.05 NTU	24.8 mV	38.90 ft	200.00 ml/min
4/2/2021 9:55 AM	30:00	5.59 pH	15.39 °C	79.25 µS/cm	1.51 mg/L	5.92 NTU	26.1 mV	38.90 ft	200.00 ml/min
4/2/2021 10:00 AM	35:00	5.58 pH	15.44 °C	77.89 µS/cm	1.53 mg/L	6.22 NTU	28.1 mV	38.90 ft	200.00 ml/min
4/2/2021 10:05 AM	40:00	5.58 pH	15.30 °C	76.22 µS/cm	1.54 mg/L	5.82 NTU	29.5 mV	38.90 ft	200.00 ml/min
4/2/2021 10:10 AM	45:00	5.58 pH	15.47 °C	74.85 µS/cm	1.56 mg/L	5.59 NTU	31.5 mV	38.90 ft	200.00 ml/min
4/2/2021 10:15 AM	50:00	5.56 pH	15.63 °C	73.95 µS/cm	1.59 mg/L	4.86 NTU	33.6 mV	38.90 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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PZ-25S	
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Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:03:31 AM

Project: Plant Scherer

Operator Name: D.Thomas

<b>Location Name: PZ-39S</b> <b>Well Diameter: 2 in Screen</b> <b>Length: 10 ft</b> <b>Top of Screen: 70 ft</b> <b>Total Depth: 80 ft</b> <b>Initial Depth to Water: 31 ft</b>	<b>Pump Type: Bladder</b> <b>Tubing Type: polyethylene</b> <b>Tubing Inner Diameter: 0.17 in</b> <b>Tubing Length: 75 ft</b> <b>Pump Intake From TOC: 75 ft</b> <b>Estimated Total Volume Pumped: 7 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 30.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## 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	
4/2/2021 11:03 AM	00:00	6.56 pH	15.75 °C	212.62 µS/cm	1.48 mg/L	3.03 NTU	56.8 mV	31.00 ft	200.00 ml/min
4/2/2021 11:08 AM	05:00	6.61 pH	16.38 °C	209.10 µS/cm	2.10 mg/L	3.16 NTU	54.2 mV	33.50 ft	200.00 ml/min
4/2/2021 11:13 AM	10:00	6.62 pH	16.38 °C	208.27 µS/cm	1.99 mg/L	3.50 NTU	60.7 mV	33.55 ft	200.00 ml/min
4/2/2021 11:18 AM	15:00	6.61 pH	16.42 °C	206.19 µS/cm	1.89 mg/L	2.38 NTU	60.8 mV	33.55 ft	200.00 ml/min
4/2/2021 11:23 AM	20:00	6.62 pH	16.53 °C	206.01 µS/cm	1.80 mg/L	2.65 NTU	52.1 mV	33.55 ft	200.00 ml/min
4/2/2021 11:28 AM	25:00	6.62 pH	16.47 °C	204.73 µS/cm	1.63 mg/L	2.49 NTU	50.7 mV	33.55 ft	200.00 ml/min
4/2/2021 11:33 AM	30:00	6.61 pH	16.56 °C	206.00 µS/cm	1.64 mg/L	2.23 NTU	48.5 mV	33.55 ft	200.00 ml/min
4/2/2021 11:38 AM	35:00	6.62 pH	16.52 °C	204.88 µS/cm	1.63 mg/L	1.69 NTU	46.8 mV	33.55 ft	200.00 ml/min

## Samples

Sample ID:	Description:
PZ-39S	

# Low-Flow Test Report:

Test Date / Time: 4/5/2021 10:55:45 AM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: PZ-41S</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 47.42 ft</b> <b>Initial Depth to Water: 29.42 ft</b>	<b>Pump Type: Bladder</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 42.42 ft</b> <b>Estimated Total Volume Pumped: 18 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 22.56 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/5/2021 10:55 AM	00:00	7.28 pH	19.78 °C	591.06 µS/cm	9.14 mg/L	81.80 NTU	205.8 mV	29.42 ft	200.00 ml/min
4/5/2021 11:10 AM	15:12	6.70 pH	20.84 °C	1.43 µS/cm	9.18 mg/L	81.80 NTU	47.4 mV	29.42 ft	200.00 ml/min
4/5/2021 11:15 AM	20:12	5.99 pH	18.89 °C	1,007.4 µS/cm	2.49 mg/L	56.20 NTU	96.8 mV	30.70 ft	200.00 ml/min
4/5/2021 11:20 AM	25:12	5.96 pH	18.84 °C	1,005.8 µS/cm	2.15 mg/L	39.50 NTU	84.4 mV	31.05 ft	200.00 ml/min
4/5/2021 11:25 AM	30:12	5.95 pH	18.78 °C	1,003.1 µS/cm	2.06 mg/L	25.30 NTU	75.4 mV	31.21 ft	200.00 ml/min
4/5/2021 11:30 AM	35:12	5.95 pH	18.70 °C	1,002.8 µS/cm	2.03 mg/L	20.90 NTU	70.8 mV	31.30 ft	200.00 ml/min
4/5/2021 11:35 AM	40:12	5.95 pH	18.70 °C	1,001.6 µS/cm	2.00 mg/L	15.80 NTU	68.6 mV	31.35 ft	200.00 ml/min
4/5/2021 11:40 AM	45:12	5.95 pH	18.68 °C	1,000.0 µS/cm	2.00 mg/L	12.70 NTU	67.2 mV	31.36 ft	200.00 ml/min
4/5/2021 11:45 AM	50:12	5.95 pH	18.66 °C	999.77 µS/cm	2.01 mg/L	11.00 NTU	65.3 mV	31.36 ft	200.00 ml/min
4/5/2021 11:50 AM	55:12	5.95 pH	18.70 °C	999.16 µS/cm	2.04 mg/L	13.50 NTU	65.0 mV	31.36 ft	200.00 ml/min
4/5/2021 11:55 AM	01:00:12	5.95 pH	18.72 °C	998.31 µS/cm	2.01 mg/L	12.96 NTU	63.9 mV	31.35 ft	200.00 ml/min
4/5/2021 12:00 PM	01:05:12	5.96 pH	18.72 °C	998.48 µS/cm	2.00 mg/L	10.69 NTU	63.6 mV	31.37 ft	200.00 ml/min
4/5/2021 12:05 PM	01:10:12	5.96 pH	18.75 °C	997.53 µS/cm	1.98 mg/L	11.13 NTU	64.5 mV	31.37 ft	200.00 ml/min
4/5/2021 12:10 PM	01:15:12	5.96 pH	18.75 °C	1,001.8 µS/cm	2.01 mg/L	8.61 NTU	63.9 mV	31.37 ft	200.00 ml/min
4/5/2021 12:15 PM	01:20:12	5.96 pH	18.84 °C	997.12 µS/cm	2.02 mg/L	8.20 NTU	62.0 mV	31.36 ft	200.00 ml/min



4/5/2021 12:20 PM	01:25:12	5.96 pH	18.88 °C	998.68 µS/cm	2.00 mg/L	7.07 NTU	62.9 mV	31.36 ft	200.00 ml/min
4/5/2021 12:25 PM	01:30:12	5.96 pH	18.79 °C	999.41 µS/cm	2.03 mg/L	6.65 NTU	62.5 mV	31.36 ft	200.00 ml/min
4/5/2021 12:30 PM	01:35:12	5.96 pH	18.77 °C	999.46 µS/cm	1.99 mg/L	5.25 NTU	60.7 mV	31.36 ft	200.00 ml/min
4/5/2021 12:35 PM	01:40:12	5.96 pH	18.71 °C	999.91 µS/cm	1.99 mg/L	4.85 NTU	60.3 mV	31.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:04:21 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

<b>Location Name: PZ-43S</b> <b>Well Diameter: 2 in</b> <b>Total Depth: 53.9 ft</b> <b>Initial Depth to Water: 25 ft</b>	<b>Pump Type: Development</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 48.9 ft</b> <b>Estimated Total Volume Pumped: 3.75 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 250 ml/min Final Draw Down: -3.48ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/7/2021 12:04 PM	00:00	6.27 pH	19.13 °C	415.45 µS/cm	0.27 mg/L	0.80 NTU	69.9 mV	25.00 ft	250.00 ml/min
4/7/2021 12:09 PM	05:00	6.27 pH	19.30 °C	412.87 µS/cm	0.26 mg/L	0.42 NTU	63.4 mV	24.80 ft	250.00 ml/min
4/7/2021 12:14 PM	10:00	6.27 pH	19.47 °C	415.88 µS/cm	0.29 mg/L	0.60 NTU	63.0 mV	24.75 ft	250.00 ml/min
4/7/2021 12:19 PM	15:00	6.28 pH	19.86 °C	410.71 µS/cm	0.22 mg/L	0.72 NTU	62.6 mV	24.71 ft	250.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:07:16 PM

Project: Plant Scherer

Operator Name: Erik Rheams

<b>Location Name: PZ-44I</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 107.2 ft</b> <b>Total Depth: 117.2 ft</b> <b>Initial Depth to Water: 17.91 ft</b>	<b>Pump Intake From TOC: 112 ft</b> <b>Estimated Total Volume Pumped: 5.0 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 17.16 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.5	
4/7/2021 1:07 PM	00:00	7.65 pH	21.55 °C	187.44 µS/cm	0.76 mg/L	1.72 NTU	-38.6 mV	17.91 ft	200.00 ml/min
4/7/2021 1:12 PM	05:00	7.37 pH	20.69 °C	189.50 µS/cm	0.31 mg/L	5.39 NTU	-69.3 mV	19.42 ft	200.00 ml/min
4/7/2021 1:17 PM	10:00	7.23 pH	20.76 °C	189.27 µS/cm	0.28 mg/L	2.68 NTU	-44.6 mV	19.34 ft	200.00 ml/min
4/7/2021 1:22 PM	15:00	7.14 pH	20.79 °C	190.04 µS/cm	0.25 mg/L	3.31 NTU	-73.6 mV	19.34 ft	200.00 ml/min
4/7/2021 1:27 PM	20:00	7.08 pH	20.93 °C	189.64 µS/cm	0.24 mg/L	5.53 NTU	-47.5 mV	19.34 ft	200.00 ml/min
4/7/2021 1:32 PM	25:00	7.04 pH	20.80 °C	190.44 µS/cm	0.22 mg/L	3.75 NTU	-48.3 mV	19.34 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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**APPENDIX A**

# Instrument Calibration Forms

Project Plant Scherer  
 Field Staff K. Minkara / A. McClure / D. Thomas

Instrument Calibration

Date: 2-9-21 | 2-9-21 | 2-10-21  
 Time: 870 | 1315 | 0800

Parameter	Units	Standard	SmarTROLL SN <u>646770</u> iPad # <u>78</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN <u>646770</u> iPad # <u>78</u>	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>91.1</u>		<u>91.1</u>	
Conductivity	us/cm	4490	<u>3971</u>		<u>4284</u>	
pH	S.U.	4.00	<u>4.43</u>		<u>4.40</u>	
pH	S.U.	7.00	<u>7.16</u>	<u>7.07</u>	<u>7.09</u>	
pH	S.U.	10.00	<u>9.94</u>		<u>9.88</u>	
ORP	mV	228.00	<u>234.8</u>		<u>235.5</u>	

Turbidity	Units	Standard	LaMotte SN <u>4392-194</u>	LaMotte SN _____	LaMotte SN <u>4392-194</u>	LaMotte SN _____
	NTU	0.0	<u>-0.02</u>		<u>-0.01</u>	
	NTU	1.0	<u>1.08</u>		<u>1.30</u>	
	NTU	10.0	<u>9.96</u>		<u>8.99</u>	

Date:  
Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nephelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer  
 Field Staff K. Minkara / A. McClure / D. Thomas

*\*Include daily mid-day pH check\**

**Instrument Calibration**

Date: 2/9/21                      2/10/21  
 Time: 0745                              0740

Parameter	Units	Standard	SmarTROLL SN <u>642533</u> iPad # <u>76</u>	SmarTROLL SN <u>642533</u> iPad # <u>76</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.6	101.0		
Conductivity	us/cm	4490	4241	4105		
pH	S.U.	4.00	4.48	4.42		
pH	S.U.	7.00	7.21/7.07	7.19		
pH	S.U.	10.00	9.95	9.98		
ORP	mV	228.00	232.7	228.3		

MID-DAY PH  
 2/9/21  
 - pH = 7.07  
 @ 12:04  
 using 7.00 standard

Turbidity	Units	Standard	LaMotte SN <u>1603-441</u>	LaMotte SN <u>1603-441</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	0.0		
	NTU	1.0	0.93	1.0		
	NTU	10.0	9.92	10.03		

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



Project Plant Scherer  
Field Staff K. Minkara / A. McClure / D. Thomas

Instrument Calibration

Date: 2-9-21 2-9-21  
Time: 0743 1221

Parameter	Units	Standard	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	92.4			
Conductivity	us/cm	4490	4446			
pH	S.U.	4.00	4.54			
pH	S.U.	7.00	7.27	7.22		
pH	S.U.	10.00	9.98			
ORP	mV	228.00	230.9			

Turbidity	Units	Standard	LaMotte SN <u>5896-3715</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.0			
	NTU	1.0	1.0			
	NTU	10.0	10.0			

Date: 2-10-21  
Time: 0812

Parameter	Units	Standard	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	93.2			
Conductivity	us/cm	4490	4437			
pH	S.U.	4.00	4.57			
pH	S.U.	7.00	7.24			
pH	S.U.	10.00	10.01			
ORP	mV	228.00	227.3			

Turbidity	Units	Standard	LaMotte SN <u>5896-3715</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.0			
	NTU	1.0	1.0			
	NTU	10.0	10.0			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer \*Include daily mid-day pH check\*  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams / **JWAGUESPACK**

**Instrument Calibration**

Date: 3/30/21 4/1/21  
 Time: 8:22 12:46 08:20  
Aquatroll Aquatroll 13:10

Parameter	Units	Standard	SmarTROLL SN 728566 iPad # 94	SmarTROLL SN _____ iPad # _____	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	107.75		106.58	
Conductivity	us/cm	4490	4246.2		4452.0	
pH	S.U.	4.00	3.98	4.05	4.03	
pH	S.U.	7.00	7.14		7.04	7.07
pH	S.U.	10.00	10.30		10.07	
ORP	mV	228.00	232.7		238.6	

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 4/2/21  
 Time: 07:45

Parameter	Units	Standard	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	93.62			
Conductivity	us/cm	4490	4479.1			
pH	S.U.	4.00	4.02			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.62			
ORP	mV	228.00	232.9			

Turbidity	Units	Standard	LaMotte SN 4392-1714	LaMotte SN 2289-2612	LaMotte SN 1438-3911	LaMotte SN
	NTU	0.0	0.0	0.0	0.01	
	NTU	1.0	1.01	1.01	1.02	
	NTU	10.0	10.01	10.02	10.03	

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated





\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 4/5/21 | 4/5/21 | 4/6/21 | 4/6/21  
 Time: 0840 | 0855 | 0750 | 0808

Parameter	Units	Standard	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 77
DO	% saturation	100	107.41	99.91	92.85	100.32
Conductivity	us/cm	4490	4512.0	4524.2	4505	4504.3
pH	S.U.	4.00	4.04	4.03	4.04	4.02
pH	S.U.	7.00	7.04/7.07 <sup>95%</sup>	7.07	7.03	7.04
pH	S.U.	10.00	10.05	10.07	10.07	10.04
ORP	mV	228.00	224.4	240.6	222.2	221.4

Turbidity	Units	Standard	LaMotte SN 4392-1914	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.0			
	NTU	1.0	1.02			
	NTU	10.0	10.01			

Date:  
Time:

Parameter	Units	Standard	SmarTROLL SN 72 iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer *\*Include daily mid-day pH check\**  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date: 04/01/21  
 Time: 0730

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 94	SmarTROLL SN 728566 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.54	99.35		
Conductivity	us/cm	4490	4594.8	454.5		
pH	S.U.	4.00	4.04	4.00		
pH	S.U.	7.00	7.08	7.06		
pH	S.U.	10.00	10.04	10.06		
ORP	mV	228.00	236.1	238.5		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 4/2/21  
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 728566 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.02	98.48		
Conductivity	us/cm	4490	4453.3	4433.7		
pH	S.U.	4.00	4.00	4.01		
pH	S.U.	7.00	7.02	7.00		
pH	S.U.	10.00	10.05	10.09		
ORP	mV	228.00	244.9	244.7		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/05/21  
 Time: 0845

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.91</u>			
Conductivity	us/cm	4490	<u>4528.1</u>			
pH	S.U.	4.00	<u>4.08</u>			
pH	S.U.	7.00	<u>7.04</u>			
pH	S.U.	10.00	<u>10.07</u>			
ORP	mV	228.00	<u>225.2</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN <u>1438-3911</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<del>0.67</del> <u>0.03</u>	<u>0.05</u>		
	NTU	1.0	<u>1.03</u>	<u>0.94</u>		
	NTU	10.0	<u>9.97</u>	<u>10.00</u>		

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



Project Plant Scherer \*Include daily mid-day pH check\*  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date: 3/30/21  
 Time: 0800 3/31 0748 3/31 0815

Parameter	Units	Standard	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN <u>647057</u> iPad # _____	SmarTROLL SN <u>728550</u> iPad # _____
DO	% saturation	100	<u>101.73</u>	<u>100.70</u>	<u>85.91.2</u>	
Conductivity	us/cm	4490	<u>5,810</u>	<u>4529.7</u>	<u>4489</u>	
pH	S.U.	4.00	<u>4.01</u>	<u>4.01</u>	<u>4.17</u>	<u>4.00</u>
pH	S.U.	7.00	<u>7.097.21</u>	<u>6.98</u>	<u>6.98</u>	
pH	S.U.	10.00	<u>10.43</u>	<u>10.00</u>	<u>9.84</u>	
ORP	mV	228.00	<u>233.9</u>	<u>19.39</u>	<u>234.8</u>	

Turbidity	Units	Standard	LaMotte SN <u>1438-3911</u>	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1919</u>	LaMotte SN <u>2289-2612</u>
	NTU	0.0	<u>-0.04</u>	<u>0.02</u>	<u>0.0</u>	<u>0.01</u>
	NTU	1.0	<u>1.45</u>	<u>1.12</u>	<u>0.99</u>	<u>0.32</u>
	NTU	10.0	<u>10.76</u>	<u>14.40</u>	<u>10.62</u>	<u>10.50</u>

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_ 4/1/21 0741

Parameter	Units	Standard	SmarTROLL SN <u>2289-2612</u> iPad # _____	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100		<u>98.72</u>		
Conductivity	us/cm	4490		<u>4448.1</u>		
pH	S.U.	4.00		<u>4.00</u>		
pH	S.U.	7.00		<u>7.06</u>		
pH	S.U.	10.00		<u>10.06</u>		
ORP	mV	228.00		<u>238.7</u>		

Turbidity	Units	Standard	LaMotte SN <u>2289-2612</u>	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1914</u>	LaMotte SN <u>1438-3911</u>
	NTU	0.0	<u>0.0</u>	<u>-0.12</u>	<u>-0.01</u>	<u>0.05</u>
	NTU	1.0	<u>0.32</u>	<u>0.78</u>	<u>1.06</u>	<u>1.02</u>
	NTU	10.0	<u>11.27</u>	<u>12.9</u>	<u>9.67</u>	<u>8.03</u>

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 3/23/21  
 Time: 08:30

Parameter	Units	Standard	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

411210750

Turbidity	Units	Standard	LaMotte SN iPad #	LaMotte SN iPad #	LaMotte SN iPad #	LaMotte SN iPad #
	NTU	0.0	-0.01	0.09	0.01	-0.09
	NTU	1.0	1.01	0.23	0.71	1.24
	NTU	10.0	10.93	10.53	12.45	7.56

Date: 3/23/21  
 Time: 11:11

Parameter	Units	Standard	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100	100.28			
Conductivity	us/cm	4490	4556.6			
pH	S.U.	4.00	4.05			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.07			
ORP	mV	228.00	226.1			

Turbidity	Units	Standard	LaMotte SN iPad #	LaMotte SN iPad #	LaMotte SN iPad #	LaMotte SN iPad #
	NTU	0.0	0.01	-0.03		
	NTU	1.0	1.00	1.05		
	NTU	10.0	10.01	10.03		

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



Project Plant Scherer *\*Include daily mid-day pH check\**  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date: 03/30/21  
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 110	SmarTROLL SN 728550 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.49	101.72		
Conductivity	us/cm	4490	4636.9	4344.5		
pH	S.U.	4.00	4.10	4.01		
pH	S.U.	7.00	7.06	7.18		
pH	S.U.	10.00	10.06	10.27		
ORP	mV	228.00	227.7	222.3		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 03/31/21  
 Time: 0730

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 110	SmarTROLL SN 728566 iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.45	93.89		
Conductivity	us/cm	4490	4331.6	4318.8		
pH	S.U.	4.00	4.06	4.01		
pH	S.U.	7.00	7.01	7.03		
pH	S.U.	10.00	10.11	10.06		
ORP	mV	228.00	233.0	223.3		

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	-0.9			
	NTU	1.0	0.87			
	NTU	10.0	11.7			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/02/21  
 Time: 0745

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.88</u>			
Conductivity	us/cm	4490	<u>4523.7</u>			
pH	S.U.	4.00	<u>4.04</u>			
pH	S.U.	7.00	<u>7.05</u>			
pH	S.U.	10.00	<u>10.08</u>			
ORP	mV	228.00	<u>241.1</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<u>0.01</u>			
	NTU	1.0	<u>0.94</u>			
	NTU	10.0	<u>10.0</u>			

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



Project Plant Scherer *\*Include daily mid-day pH check\**  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date: 04/07/21  
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN <u>725541</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490	<u>4511.0</u>	<u>4550.0</u>		
pH	S.U.	4.00	<u>4.04</u>	<u>4.01</u>		
pH	S.U.	7.00	<u>7.02</u>	<u>6.94</u>		
pH	S.U.	10.00	<u>9.97</u>	<u>10.01</u>		
ORP	mV	228.00	<u>225.3</u>	<u>226.3</u>		

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1914</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<u>0.07</u>	<u>0.02</u>		
	NTU	1.0	<u>0.90</u>	<u>1.07</u>		
	NTU	10.0	<u>9.95</u>	<u>10.05</u>		

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer *\*Include daily mid-day pH check\**  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams *K. McKinney*

**Instrument Calibration**

Date: *4-7-21*  
 Time: *1100*

Parameter	Units	Standard	SmarTROLL SN <i>72890</i> iPad # <i>110</i>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<i>101.4</i>			
Conductivity	us/cm	4490	<i>3801.6</i>			
pH	S.U.	4.00	<i>4.02</i>			
pH	S.U.	7.00	<i>6.98</i>			
pH	S.U.	10.00	<i>10.07</i>			
ORP	mV	228.00	<i>225.9</i>			

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



\*Include daily mid-day pH check\*

Project Plant Scherer  
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

**Instrument Calibration**

Date:  
 Time:

1 0 5 2 1  
 9 3 1 1

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:  
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



**APPENDIX A**

**Well Inspection Form  
February 2021**

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
AP-1	SGWA-1	↑	S	S	S	S	S
	SGWA-2	↑	S	S	S	S	S
	SGWA-3	↑	S	(d) difficult to close lid	S	S	S
	SGWA-4	↑	S	S	S	S	S
	SGWA-5	↑	S	S	S	S	S
	SGWC-6	↓	S	S	S	S	S
	SGWC-7	↓	S	(d) missing hinge	S	S	S
	SGWC-8	↓	(a) access issues	(d) rusted latch	S	S	S
	SGWC-9	↓	(a) access issues	S	S	S	S
	SGWC-10	↓	(a) access issues	S	S	S	S
	SGWC-11	↓	S	(d) difficult to open lid	S	S	S
	SGWC-12	↓	S	S	S	S	S
	SGWC-13	↓	S	S	(e) ants on pad	S	S
	SGWC-14	↓	S	S	S	S	S
	SGWC-15	↓	S	S	S	S	S
	SGWC-16	↓	S	S	S	S	S
	SGWC-17	↓	S	S	S	S	S
	SGWC-18	↓	S	S	S	S	(d) WL below top of pump
	SGWC-19	↓	S	S	(a) pad uneven	S	S
	SGWC-20	↓	S	S	S	S	S
	SGWC-21	↓	(d) standing water after rain	S	S	S	S
	SGWC-22	↓	S	S	S	S	S
	SGWC-23	↓	S	S	(e) ants on pad	S	S
	SGWA-24	↑	S	S	S	S	S
	SGWA-25	↑	S	S	S	S	S

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
SITE PIEZOMETE RS	PZ-2i	--	S	S	S	S	S
	PZ-3S	--	(b) incorrectly labeled	S	S	S	S
	PZ-5i	--	(b) incorrectly labeled	S	S	S	S
	PZ-6S	--	S	S	S	S	S
	PZ-9i	--	S	S	S	S	S
	PZ-10S	--	S	S	S	S	S
	PZ-11S	--	S	S	S	S	S
	PZ-12S	--	S	S	S	S	S
	PZ-13S	--	S	S	S	S	S
	PZ-14S	--	S	S	S	S	S
	PZ-14I	--	S	S	S	S	S
	PZ-15S	--	S	S	S	S	S
	PZ-17i	--	S	S	S	S	S
	PZ-19i	--	S	(c) requires pea gravel	S	S	S
	PZ-19S	--	S	(c) requires pea gravel	S	S	S
	PZ-20i	--	S	S	S	S	S
	PZ-21S	--	S	S	S	S	S
	PZ-25S	--	S	S	S	S	S
	PZ-25i	--	S	S	S	S	S
	PZ-26S	--	S	S	S	S	S
PZ-27S	--	S	S	S	S	S	
PZ-27D	--	S	S	S	S	S	
PZ-28i	--	(b) incorrectly labeled	S	S	S	S	
PZ-29S	--	(b) incorrectly labeled	S	S	S	S	
PZ-30i	--	(b) incorrectly labeled	S	S	S	S	

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
SITE PIEZOMETERS	PZ-31i	--	S	S	S	S	S
	PZ-32S	--	(a) area overgrown	S	S	S	S
	PZ-32D	--	(a) area overgrown	S	S	S	S
	PZ-33i	--	(b) incorrectly labeled	S	S	S	S
	PZ-34S	--	(b) incorrectly labeled	S	S	S	S
	PZ-35i	--	(b) missing flushmount label	S	S	S	S
	PZ-36i	--	S	S	S	S	S
	PZ-36S	--	S	S	S	S	S
	PZ-37i	--	(b) incorrectly labeled	S	S	S	S
	PZ-38i	--	S	(d) missing two washers	S	S	S
	PZ-39S	--	S	S	S	S	S
	PZ-40i	--	S	S	S	S	S
	PZ-41S	--	(a) fallen tree blocking path	S	S	S	S
	PZ-42i	--	S	S	S	S	S
	PZ-43S	--	S	S	(e) covered in debris	S	S
	PZ-44i	--	S	S	S	S	S
	PZ-45D	--	(b) incorrectly labeled	S	S	S	S
	PZ-46D	--	(a) gate lock requires lubrication	S	S	S	S
	PZ-47D	--	(b) incorrectly labeled	S	S	S	S
	PZ-48S	--	(b) incorrectly labeled	S	S	S	S
	PZ-49S	--	S	S	S	S	S
	PZ-49D	--	S	S	S	S	S
	PZ-50D	--	(b) incorrectly labeled	S	S	S	S
PZ-51D	--	S	S	S	S	S	
PZ-52	--	S	S	S	S	S	

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
SITE PIEZOMETERS	PZ-53	--	S	S	S	S	S
	PZ-54	--	S	S	S	S	S
	PZ-55	--	S	S	S	S	S
	PZ-56	--	S	S	S	S	S
	PZ-57	--	S	S	S	S	S
	PZ-58	--	S	S	S	S	S
	PZ-59S	--	(a) area overgrown, (b) incorrectly labeled	S	S	(c) missing weephole	S
	PZ-59D	--	(a) area overgrown, (b) incorrectly labeled	S	S	(c) missing weephole	S
	PZ-60S	--	(a) area overgrown	S	S	(c) missing weephole	S
	PZ-60D	--	(a) area overgrown	S	S	(c) missing weephole	S
	PZ-61	--	S	S	S	(c) missing weephole	S
	PZ-62	--	S	S	S	S	S
	PZ-63	--	S	S	S	(c) missing weephole	S
	PZ-64	--	S	S	S	S	S
	PZ-65	--	S	S	S	(c) missing weephole	S
	PZ-66	--	(a) area overgrown, (b) incorrectly labeled	S	S	S	S
	PZ-66D	--	(b) missing label	S	S	(c) missing weephole	S
	PZ-67	--	(a) area overgrown, (b) incorrectly labeled	S	S	S	S
	PZ-67D	--	(a) area overgrown	S	S	(c) missing weephole	S
	PZ-68	--	S	S	S	S	S
LPZ-1	--	S	S	S	S	S	
LPZ-2	--	S	S	S	S	S	
LPZ-3	--	S	S	S	S	S	
LPZ-4	--	S	S	S	S	S	
LPZ-5	--	S	S	S	S	S	



**APPENDIX A**

**Well Inspection Form  
March-April 2021**

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
AP-1	SGWA-1	↑	S	S	S	S	S
	SGWA-2	↑	S	S	S	S	S
	SGWA-3	↑	S	S	S	S	S
	SGWA-4	↑	S	S	S	S	S
	SGWA-5	↑	S	S	S	S	S
	SGWC-6	↓	S	S	S	S	S
	SGWC-7	↓	S	(d) cap not connected	S	S	S
	SGWC-8	↓	S	S	S	S	S
	SGWC-9	↓	S	S	S	S	S
	SGWC-10	↓	S	S	S	S	S
	SGWC-11	↓	S	S	S	S	S
	SGWC-12	↓	S	S	S	S	S
	SGWC-13	↓	S	(a) wasp nest in cap	(c) ants on pad	S	S
	SGWC-14	↓	S	S	S	S	S
	SGWC-15	↓	S	S	(c) ants on pad	S	S
	SGWC-16	↓	S	S	S	S	S
	SGWC-17	↓	S	S	S	S	S
	SGWC-18	↓	S	(b) weephole > 2" from pad	S	S	S
	SGWC-19	↓	S	S	S	S	S
	SGWC-20	↓	S	(d) needs new lock. Difficult to open/close	S	S	S
	SGWC-21	↓	S	S	S	S	S
	SGWC-22	↓	S	S	S	S	S
	SGWC-23	↓	S	S	S	S	S
	SGWA-24	↑	S	S	S	S	S
	SGWA-25	↑	S	S	S	S	S

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage  (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition  (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified  (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile  (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)  (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
SITE PIEZOMETE RS	PZ-2i	--	S	S	S	S	S
	PZ-3S	--	S	(b) needs weephole	S	(c) needs weephole	S
	PZ-5i	--	S	S	S	S	S
	PZ-6S	--	S	S	S	S	S
	PZ-9i	--	S	S	S	S	S
	PZ-10S	--	S	S	S	S	S
	PZ-11S	--	S	S	(c) ants on pad	S	S
	PZ-12S	--	S	S	S	S	S
	PZ-13S	--	S	S	S	S	S
	PZ-14S	--	S	S	S	S	S
	PZ-14I	--	S	S	S	S	S
	PZ-15S	--	S	S	S	S	S
	PZ-17i	--	S	S	(c) ants on pad	S	S
	PZ-19i	--	S	S	S	S	S
	PZ-19S	--	S	S	S	S	S
	PZ-20i	--	S	S	S	S	S
	PZ-21S	--	S	S	S	S	S
	PZ-25S	--	S	S	S	S	S
	PZ-25i	--	S	S	S	S	S
	PZ-26S	--	S	S	S	S	S
PZ-27S	--	S	S	S	S	S	
PZ-27D	--	S	S	S	S	S	
PZ-28i	--	S	S	S	S	S	
PZ-29S	--	S	S	S	S	S	
PZ-30i	--	S	S	S	S	S	

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
SITE PIEZOMETE RS	PZ-31i	--	S	S	S	S	S
	PZ-32S	--	S	S	(e) overgrown	S	S
	PZ-32D	--	S	S	(e) overgrown	S	S
	PZ-33i	--	S	S	S	S	S
	PZ-34S	--	S	S	S	S	S
	PZ-35i	--	S	S	S	S	S
	PZ-36i	--	S	S	S	S	S
	PZ-36S	--	S	S	S	S	S
	PZ-37i	--	S	S	S	S	S
	PZ-38i	--	S	S	S	S	S
	PZ-39S	--	S	S	S	S	S
	PZ-40i	--	S	S	S	S	S
	PZ-41S	--	S	S	S	S	S
	PZ-42i	--	S	(b) needs weephole	S	S	S
	PZ-43S	--	S	(c) needs pea gravel	S	S	S
	PZ-44i	--	S	S	S	S	S
	PZ-45D	--	S	S	S	S	S
	PZ-46D	--	S	S	S	S	S
	PZ-47D	--	S	S	S	S	S
	PZ-48S	--	S	S	S	S	S
PZ-49S	--	S	S	S	S	S	
PZ-49D	--	S	S	S	S	S	
PZ-50D	--	S	S	S	S	S	
PZ-51D	--	S	S	S	S	S	
PZ-52	--	S	S	S	S	S	

**WELL INSPECTION FORM  
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify)
			(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
			↑ or ↓				
SITE PIEZOMETERS	PZ-53	--	S	S	S	S	S
	PZ-54	--	S	S	S	S	S
	PZ-55	--	S	S	S	S	S
	PZ-56	--	S	S	S	S	S
	PZ-57	--	S	S	S	S	S
	PZ-58	--	S	S	S	S	S
	PZ-59S	--	S	S	S	S	S
	PZ-59D	--	S	S	S	S	S
	PZ-60S	--	S	S	S	S	S
	PZ-60D	--	S	S	S	S	S
	PZ-61	--	S	S	S	S	S
	PZ-62	--	S	S	S	S	S
	PZ-63	--	S	S	S	S	S
	PZ-64	--	S	S	S	S	S
	PZ-65	--	S	S	S	S	S
	PZ-66	--	S	S	S	S	S
	PZ-66D	--	S	S	S	S	S
	PZ-67	--	S	S	S	S	S
	PZ-67D	--	S	S	S	S	S
	PZ-68	--	S	S	S	S	S
LPZ-1	--	S	S	S	S	S	
LPZ-2	--	S	S	S	S	S	
LPZ-3	--	S	S	S	S	S	
LPZ-4	--	S	S	S	S	S	
LPZ-5	--	S	S	S	S	S	

**APPENDIX A**

**Data Validation Summaries  
February-April 2021**

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## Quality Control Review of Analytical Data- Plant Scherer Ash Pond 1 (AP-1) Submitted by Eurofins TestAmerica February - April 2021

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Ash Pond 1 (AP-1) between February 9, 2021 and April 7, 2021. 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), 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 (January 2017), 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 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

<b>Laboratory Precision:</b>	Laboratory goals for precision were met.
<b>Field Precision:</b>	Field goals for precision were met.
<b>Accuracy:</b>	Laboratory goals for accuracy were met with the exception of fluoride, as described in the qualification section below.
<b>Sensitivity:</b>	Project goals for detection limits were met. 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.

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<b>Completeness:</b>	There were no rejected analytical results for this event, resulting in a completion of 100%.
<b>Holding Times:</b>	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 high levels of imprecision or inaccuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the data validation process.

- J** The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- U** The analyte was not detected above the method detection limit.

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 sample delivery groups (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 fluoride results for samples SGWA-3 and SGWC-11 from SDG 180-117048-1, and 180-119437-1, respectively were qualified as estimated, biased high when the MS and/or MSD recoveries exceeded laboratory criteria.
- Certain boron, thallium, cobalt and total dissolve solids (TDS) results in SDG 180-119437-1, 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.

Golder reviewed the data from samples collected at Plant Scherer CCR AP-1 between February 9, 2021 and April 7, 2021 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

USEPA, January 2017, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Revision 0.0.

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**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses					
						Field pH	Total Metals (SW 6020B)	Mercury (EPA 7470A)	Anions (EPA 300.0)	Total Dissolved Solids (SW 2540C)	Radium-226/228 (EPA 9315 & 9320)
180-117048-1/180-117048-2	SGWA-1	2/9/2021	180-117048-1	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-2	2/9/2021	180-117048-2	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-3	2/9/2021	180-117048-3	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-4	2/9/2021	180-117048-4	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-5	2/9/2021	180-117048-5	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-24	2/9/2021	180-117048-6	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWA-25	2/9/2021	180-117048-7	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-6	2/9/2021	180-117048-8	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-7	2/9/2021	180-117048-9	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-8	2/9/2021	180-117048-10	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-9	2/9/2021	180-117048-11	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-10	2/9/2021	180-117048-12	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-11	2/9/2021	180-117048-13	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-12	2/9/2021	180-117048-14	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-13	2/9/2021	180-117048-15	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-15	2/9/2021	180-117048-17	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-16	2/9/2021	180-117048-18	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	DUP-1 (AP)	2/9/2021	180-117048-19	GW	FD (SGWC-8)	-	X	X	X	-	X
180-117048-1/180-117048-2	FB-1 (AP)	2/9/2021	180-117048-20	WQ	FB (SGWC-15)	-	X	X	X	-	X
180-117048-1/180-117048-2	EB-1 (AP)	2/9/2021	180-117048-21	WQ	EB (SGWA-24)	-	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-14	2/9/2021	180-117048-22	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-17	2/10/2021	180-117050-1	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-18	2/10/2021	180-117050-2	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-19	2/10/2021	180-117050-3	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-20	2/10/2021	180-117050-4	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-21	2/10/2021	180-117050-5	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-22	2/10/2021	180-117050-6	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	SGWC-23	2/10/2021	180-117050-7	GW	-	X	X	X	X	-	X
180-117048-1/180-117048-2	DUP-2 (AP)	2/10/2021	180-117050-8	GW	FD (SGWC-18)	-	X	X	X	-	X
180-117048-1/180-117048-2	FB-2 (AP)	2/10/2021	180-117050-9	WQ	FB (SGWC-23)	-	X	X	X	-	X
180-117048-1/180-117048-2	EB-2 (AP)	2/10/2021	180-117050-10	WQ	EB (SGWC-22)	-	X	X	X	-	X
180-119437-1/180-119437-2	SGWA-1	3/30/2021	180-119437-1	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-2	3/30/2021	180-119437-2	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-18	3/30/2021	180-119437-5	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-19	3/30/2021	180-119437-6	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-20	3/30/2021	180-119437-7	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-21	3/30/2021	180-119437-8	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-24	3/30/2021	180-119437-9	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	EB_1(AP-1)	3/30/2021	180-119437-11	WQ	EB (SGWA-25)	-	X	X	X	X	X
180-119437-1/180-119437-2	FB_1(AP-1)	3/30/2021	180-119437-12	WQ	FB (SGWC-6)	-	X	X	X	X	X
180-119437-1/180-119437-2	DUP_1(AP-1)	3/30/2021	180-119437-13	GW	FD (SGWC-21)	-	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-6	4/1/2021	180-119479-1	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-7	4/1/2021	180-119479-2	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-8	4/1/2021	180-119479-3	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-16	4/1/2021	180-119479-4	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-17	4/1/2021	180-119479-5	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	DUP-2 (AP-1)	4/1/2021	180-119479-6	GW	FD (SGWC-7)	-	X	X	X	X	X
180-119437-1/180-119437-2	EB-2 (AP-1)	4/1/2021	180-119479-7	WQ	EB (SGWC-16)	-	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-3	3/31/2021	180-119480-1	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-4	3/31/2021	180-119480-2	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-5	3/31/2021	180-119480-3	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-9	3/31/2021	180-119480-4	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-10	3/31/2021	180-119480-5	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-15	3/31/2021	180-119480-9	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-22	3/31/2021	180-119480-10	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-23	3/31/2021	180-119480-11	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-14	4/6/2021	180-119762-1	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-11	4/7/2021	180-119799-1	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-12	4/7/2021	180-119799-2	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWC-13	4/7/2021	180-119799-3	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	SGWA-25	4/7/2021	180-119799-4	GW	-	X	X	X	X	X	X
180-119437-1/180-119437-2	FB-2 (AP-1)	4/7/2021	180-119799-5	WQ	FB (SGWC-11)	-	X	X	X	X	X

**Abbreviations:**

- SDG- Sample Delivery Group
- QC - Quality Control
- GW - Groundwater
- WQ - Water quality control
- SW - Solid Waste
- EPA - Environmental Protection Agency
- FB - Field Blank
- EB - Equipment Blank
- FD - Field Duplicate

**TABLE 2**  
**Qualifier Summary Table**  
**SCS Plant Scherer**

<i>SDG</i>	<i>Sample Name</i>	<i>Constituent</i>	<i>New Result</i>	<i>New RL or MDC</i>	<i>Qualifier</i>	<i>Reason</i>
180-117048-1	SWGA-3	Fluoride	-	-	J+	MS/MSD outside acceptance limits
180-119437-1	SGWA-1	Boron	0.080	-	U	Method blank detection
180-119437-1	SGWA-1	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWA-2	Boron	0.080	-	U	Method blank detection
180-119437-1	SGWA-2	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-18	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-20	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWA-24	Boron	0.080	-	U	Method blank detection
180-119437-1	SGWC-6	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-7	Boron	0.080	-	U	Method blank detection
180-119437-1	SGWC-7	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-8	Boron	-	0.14	U	Method blank detection
180-119437-1	SGWC-8	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-17	Boron	-	0.31	U	Method blank detection
180-119437-1	SGWC-14	Thallium	0.0010	-	U	Method blank detection
180-119437-1	SGWC-12	Cobalt	0.0025	-	U	Method blank detection
180-119437-1	SGWC-13	Cobalt	0.0025	-	U	Method blank detection
180-119437-1	SGWC-16	TDS	-	88	U	Method blank detection
180-119437-1	SGWC-11	Fluoride	-	-	J+	MS/MSD outside acceptance criteria

**Abbreviations:**

RL : Reporting limit

MDC : Minimum detectable concentration

SDG : Sample delivery group

MS/MSD : Matrix Spike/Matrix Spike Duplicate

**APPENDIX B**

**PIEZOMETER ABANDONMENT REPORT**

August 18, 2021

Project No. 166235021.100.01

**Mr. Joju Abraham, PG**

Southern Company Services  
241 Ralph McGill Blvd NE  
Atlanta, GA 30308  
jabraham@southernco.com

**PIEZOMETER ABANDONMENT REPORT FOR PZ-06S  
GEORGIA POWER COMPANY – PLANT SCHERER, JULIETTE, GEORGIA**

Dear Mr. Abraham,

Golder Associates Inc. (Golder) is submitting this *Piezometer Abandonment Report* to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the abandonment of piezometer PZ-06S at Plant Scherer in Juliette, Georgia. Piezometer abandonment activities were performed in general accordance with the standards described in the RCRA Technical Enforcement Guidance Document (1986) and the Georgia Water Wells Standards Act of 1985. The abandonment of the piezometer was conducted under the oversight and direction of Rachel Kirkman, a Georgia Registered Professional Geologist (PG). This piezometer was decommissioned/abandoned because this piezometer location was required for construction activities to support ash pond closure. Attached Figure 1 presents the location of the recently abandoned piezometer.

The piezometer abandonment was performed on July 7, 2021, A summary of piezometer abandonment activities is presented below.

**Piezometer Abandonment Activities**

Piezometer PZ-06S was decommissioned by SCS – Civil Field Services under the direction of the Golder team. Sean Denty of SCS was the lead driller for this task. Drilling methods employed for borehole advancement were hollow stem auger techniques. The drilling equipment consisted of a full-sized CME-550X rubber tire ATV mounted drilling rig equipped with 6-inch outer diameter hollow stem augers and stinger bit. SCS had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling and well installation (see Appendix A).

An experienced Golder geologist was present on site to oversee and record the drilling and piezometer abandonment under the supervision of a professional geologist registered to practice in Georgia (Rachel Kirkman). Prior to use, downhole equipment was steam cleaned. Also, Golder utilized a water level probe to confirm the depth to water and total depth of the well prior to abandonment.

Before grouting or drilling, the protective casing, well pads and bollards were removed and properly disposed of. The 2-inch well was then grouted via tremie pipe from the bottom of the monitoring well (i.e., 54.56 feet below

ground surface) to the ground surface using approximately 8.9 gallons of grout, which consisted of a mixture of Aquaguard bentonite grout and approximately 7 gallons of water per 50-pound sack of bentonite.

After grouting, the top ten feet of casing were overdrilled using 6-inch outer diameter hollow stem augers and a stinger bit to facilitate removal of the well casing materials. The remaining borehole was grouted to the surface with approximately 14.7 gallons of grout, which consisted of a mixture of approximately 50 pounds Aquaguard bentonite grout, 94 pounds type I/II Portland cement, and approximately 14 gallons of water. A summary of well abandonment and photographic documentation is presented in Appendix A.

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,

**Golder Associates Inc.**



Rachel P. Kirkman, PG  
*Principal and Senior Consultant*

Dawn L. Prell  
*Hydrogeologist, Senior Consultant*

CC: Georgia Power Company - Plant Branch  
Ben Hodges, PG, Georgia Power Company

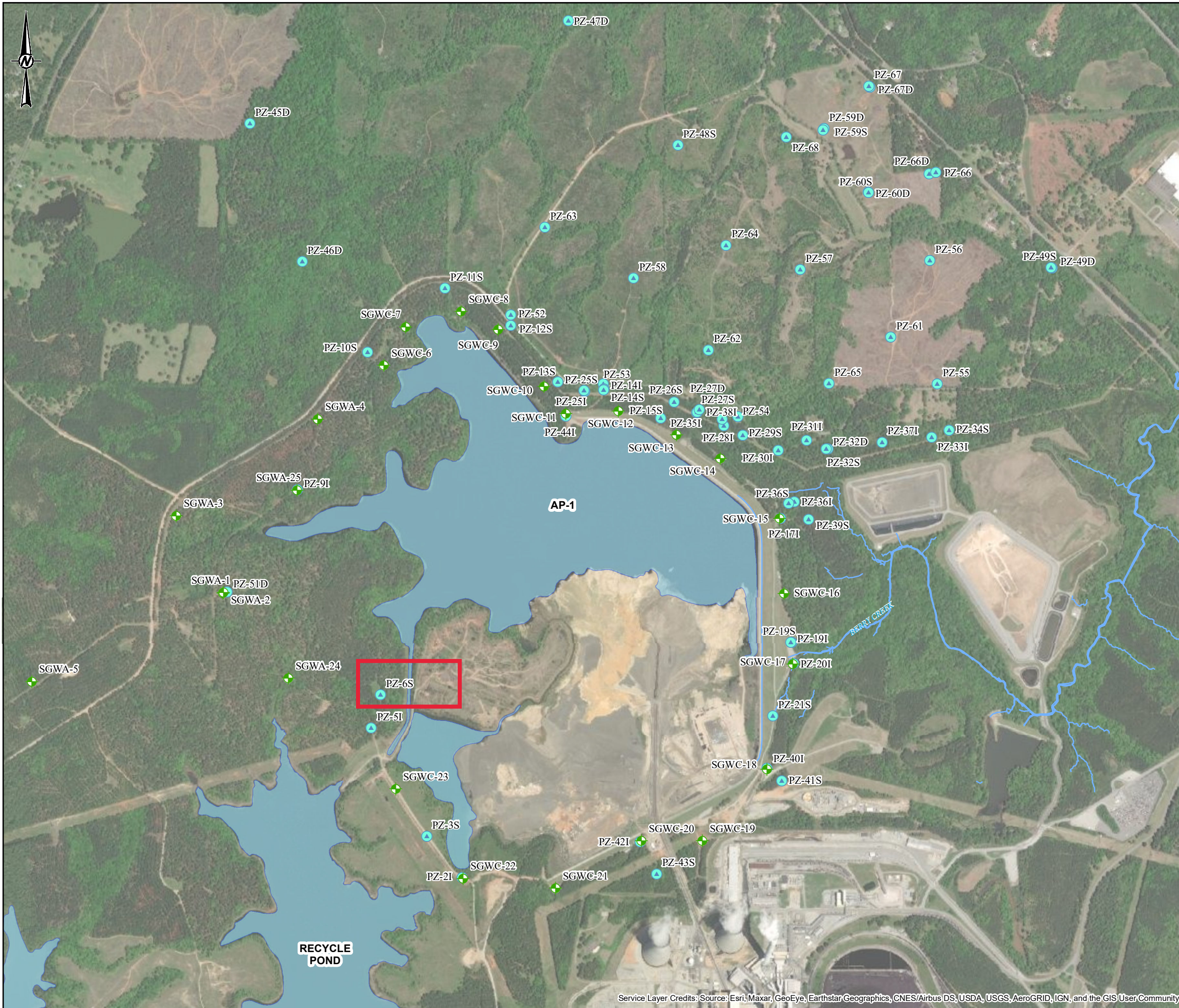
Attachments: Figure 1 - Site Plan and Monitoring Well/Piezometer Location Map  
Appendix A - Cascade Drilling Bond  
Well Abandonment Documentation- PZ-06S  
Photographs of Piezometer Abandonment PZ-06S

[https://golderassociates.sharepoint.com/sites/24912g/project/files/200 reports/well installation report\(s\)/pz-6s abandonment/16662350.04 pz-6s abandonment report-rev1.docx](https://golderassociates.sharepoint.com/sites/24912g/project/files/200%20reports/well%20installation%20report(s)/pz-6s%20abandonment/16662350.04%20pz-6s%20abandonment%20report-rev1.docx)

**FIGURE 1**

# SITE PLAN, MONITORING WELL AND PIEZOMETER LOCATION MAP





**LEGEND**

- ◆ MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- + SURFACE WATER LOCATION

**NOTE**

1. MONITORING WELL LOCATIONS PROVIDED BY JORDAN ENGINEERING.
2. PIEZOMETER PZ-50 IS NOT LOCATED WITHIN THE CURRENT VIEW. IT IS SITUATED SOUTH OF LAKE JULIETTE. REFER TO THE BORING LOG FOR LOCATION COORDINATES.

**REFERENCE**

1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER, JULIETTE, GEORGIA



PROJECT  
**PIEZOMETER ABANDONMENT REPORT PZ-06S**  
 PLANT SCHERER

TITLE  
**SITE PLAN , MONITORING WELL AND**  
**PIEZOMETER LOCATION MAP**

CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2021-06-15
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DLP
	REVIEW/APPROVED	RPK

Path: H:\186\Projects\186235021\Southern Company Services\guma\AC-SITE PLAN AND DETECTION MW LOC MAP\166235021AC001-GIS.mxd

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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



**APPENDIX A**

**DRILLING BOND, PIEZOMETER ABANDONMENT  
LOG OF PZ-06S AND PHOTOGRAPHS OF  
PIEZOMETER ABANDONMENT PZ-06S**

CONTINUATION  
CERTIFICATE

SAFECO Insurance Company of America

, Surety upon

a certain Bond No. **4993104**

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

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

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

does hereby continue said bond in force for the further period

beginning on June 30, 2021  
(MONTH-DAY-YEAR)

and ending on June 30, 2022  
(MONTH-DAY-YEAR)

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

Description of bond Water Well Contractors & Drillers

Premium: \$100.00

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

Signed and dated on 05/06/2021  
(MONTH-DAY-YEAR)  
SAFECO Insurance Company of America  
175 Berkeley Street, Boston, MA 02116

By   
Attorney-in-Fact Jeffrey M. Wilson, Attorney-in-Fact

McGriff Insurance Services, Inc.  
Agent  
2211 7th Avenue South, Birmingham, AL 35233  
Address of Agent  
(205) 252-9871  
Telephone Number of Agent



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

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

Certificate No: 8205019-016032

POWER OF ATTORNEY

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

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of March, 2021.

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

By: [Signature]
David M. Carey, Assistant Secretary



State of PENNSYLVANIA ss
County of MONTGOMERY

On this 11th day of March, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

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

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 6th day of May, 2021.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

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

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



**GENERAL INFORMATION**

<b>Project Name:</b>	Plant Scherer AP-1	<b>Inspector</b>	J. Waguespack	<b>Well ID</b>	PZ-06S
<b>Project Number</b>	166235021	<b>Weather</b>	Partly Cloudy	<b>Started</b>	7/7/2021
<b>Drilling Company</b>	SCS-Civil Field Services	<b>Temperature</b>	82/69 F	<b>Completed</b>	7/7/2021
<b>Client Name:</b>	Georgia Power Company	<b>Driller</b>	Sean Denty		

**WELL CONSTRUCTION INFORMATION**

<b>Well Depth (ft btoc)</b>	56.82	<b>Screen Type</b>	PVC (SCH 40)-prepack
<b>Well Casing Dia.</b>	2-inch	<b>Slot Size (in.)</b>	0.01
<b>Casing Type</b>	PVC	<b>LF.</b>	46.8
		<b>Pack Type &amp; Size</b>	Unimin FilterSil - #1A
<b>Joint Type</b>	Flush Joint	<b>Seal Type</b>	Cement-bentonite
<b>Well Screen Dia.</b>	2-inch	<b>LF.</b>	10
		<b>Coordinates</b>	N1117912.0058 E2401936.5518

ft bgs - feet below ground surface, ft btoc = feet below top of casing, ft3 = cubic feet, N/A = Not Applicable

**ABANDONEMENT PROCEDURES AND VOLUMES**

**TIME**

855 DTW = 35.33' btoc	col = 21.99'
DTB = 56.82 btoc	well vol. = 3.50 gal
stick-up = 2.26'	Bollard = 3.70'
well pad = 4' x 4'	
905 Per SD: Solid Stem Auger	
Pull Bollards, Pad, Stickup	
Grouting inside well to surface	
overdrill 10' bgs - grout hole to surface & complete	
910 Bollards extracted w/ CME Rig	
931 Pad + casing extracted w/ CME 550	
939 Grouting w/Chemgrout Tank. Tremie pipe used to ground from bottom up. Aquaguard Bentonite Grout. 50 lbs.	
950 56.82-2.26+54.56 x 0.163 = 8.9 gal. of grout estimated.	
1003 2-50 lb bags mixed w/ 14 gal water. Well grouted to surface.	
1055 Well grouting complete.	
1225 Off-site	







PZ-06S - GROUT MIXTURE



PZ-06S SURFACE COMPLETION-POST ABANDONMENT



PZ-06S PROTECTIVE COVER REMOVAL /PIEZOMETER ABANDONMENT

CLIENT  
 GEORGIA POWER COMPANY  
 PLANT SCHERER  
 JULIETTE, GEORGIA

CONSULTANT



YYYY-MM-DD 2020-03-20

PREPARED DJC

DESIGN dlp

CHECKED DLP

REVIEW/APPROVED rpk

PROJECT  
 PIEZOMETER PZ-06S ABANDONMENT REPORT  
 PLANT SCHERER ASH POND AP-1

TITLE  
 PHOTOGRAPHS OF PIEZOMETER ABANDONMENT  
 PZ-06S

PROJECT No.  
 166849621

Rev.  
 0

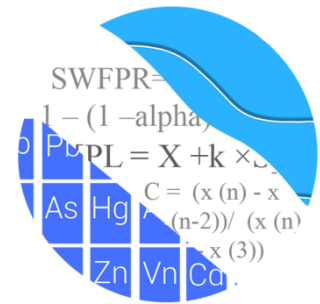
FIGURE  
 A

1 in

**APPENDIX C**

**STATISTICAL ANALYSES**

# GROUNDWATER STATS CONSULTING



August 24, 2021

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 – March/April 2021 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March/April 2021 Semi-Annual Groundwater Detection and Assessment Monitoring statistical analysis 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 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



Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager 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.

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 with 100% non-detects follow this letter. Additionally, when Appendix IV constituents are not detected during a scheduled Scan event, no statistical analyses are required during the semi-annual sample event. During the annual Scan event conducted in February 2021, antimony was not detected; therefore, it was not required to be sampled during the March/April 2021 event. Antimony was included on time series and box plots but was not included in statistical analyses.

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. A single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most



appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 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.

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 will be used 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 in background, 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. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### **Statistical Analysis of Appendix III Parameters – March/April 2021**

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through April 2021 (Figure D). Interwell prediction limits

pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs).

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.

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site, which is an indication of natural 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 and SGWC-18
- Calcium: SGWA-2 (upgradient), SGWC-17, SGWC-19, SGWC-22, and SGWC-24 (upgradient)
- Chloride: SGWC-9, SGWC-13, SGWC-18, and SGWC-21
- Sulfate: SGWC-12, SGWC-16, SGWC-17, SGWC-21, and SGWC-22
- TDS: SGWC-17

Decreasing:

- Calcium: SGWC-7 and SGCW-23
- Chloride: SGWA-3 (upgradient) and SGWC-7
- Fluoride: SGWC-4 (upgradient) and SGWC-20
- Sulfate: SGWA-4 (upgradient), SGWC-20, and SGWC-23

## Statistical Analysis of Appendix IV Parameters – April 2021

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 that have 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through April 2021 for Appendix IV constituents (Figure F). Parametric tolerance limits are used 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. 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), the Federal 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, CCR-rule specified levels have been specified 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

On July 30, 2018, USEPA revised the Federal CCR Rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Georgia EPD has not incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a); therefore, for sites regulated under Georgia EPD Rules, the State GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following Georgia EPD Rule requirements and the Federal CCR requirements, Federal and State GWPS were established for statistical comparison of Appendix IV constituents for

the March/April 2021 sample event (Figure G). Note that a GWPS is established for antimony; however, since this constituent was not sampled during the March 2021 sampling event, no statistical comparison with confidence intervals was required. Additionally, as mentioned above, no statistical comparisons were required for downgradient wells with 100% non-detects.

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well. The Sanitas software was used to calculate both the tolerance limits and the confidence intervals. For Federal requirements, confidence intervals were compared to the GWPS prepared according to the CCR Rule (Figure H). For the State requirements, confidence intervals were compared to the GWPS established using the Georgia EPD Rules 391-3-4-.10(6)(a) (Figure I). Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of both the Federal and State confidence intervals follow this letter and exceedances were identified for the following well/constituent pairs:

Federal and State:

- Cobalt: SGWC-10, SGWC-11, 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,



Tristan Clark  
Groundwater Analyst



Andrew Collins  
Project Manager

# 100% Non-Detects: Appendix IV Downgradient

Analysis Run 6/3/2021 11:22 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

**Antimony (mg/L)**

SGWC-11, SGWC-12, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23, SGWC-6, SGWC-8, SGWC-9

**Beryllium (mg/L)**

SGWC-11, SGWC-12, SGWC-13, SGWC-16, SGWC-21, SGWC-23, SGWC-7, SGWC-9

**Cadmium (mg/L)**

SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-16, SGWC-17, SGWC-22, SGWC-23, SGWC-7, SGWC-9

**Chromium (mg/L)**

SGWC-10, SGWC-11, SGWC-6, SGWC-7, SGWC-9

**Lead (mg/L)**

SGWC-11, SGWC-12, SGWC-19, SGWC-9

**Lithium (mg/L)**

SGWC-10, SGWC-6, SGWC-9

**Mercury (mg/L)**

SGWC-19

**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, SGWC-23

**Selenium (mg/L)**

SGWC-10, SGWC-21, SGWC-22, SGWC-8, SGWC-9

**Thallium (mg/L)**

SGWC-16, SGWC-19, SGWC-21

# Interwell Prediction Limit - Significant Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/4/2021, 11:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	SGWC-10	0.13	n/a	3/31/2021	0.15	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-11	0.13	n/a	4/7/2021	0.68	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	4/7/2021	0.59	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	4/6/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	3/31/2021	1.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	4/1/2021	0.55	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	4/1/2021	0.31	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	3/30/2021	6.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	3/30/2021	1.9	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	3/30/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	3/30/2021	1.1	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	3/31/2021	0.47	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	3/31/2021	0.51	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	4/1/2021	0.14	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	3/31/2021	1.5	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	4/7/2021	23	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	4/6/2021	42	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	4/1/2021	57	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	3/30/2021	68	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	3/30/2021	50	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	3/30/2021	41	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	3/31/2021	30	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	3/31/2021	24	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	4/1/2021	22	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	4/1/2021	52	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	3/31/2021	47	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.116	n/a	3/31/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.116	n/a	4/7/2021	8.8	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.116	n/a	4/7/2021	9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.116	n/a	4/7/2021	10	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.116	n/a	4/6/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.116	n/a	3/30/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.116	n/a	3/30/2021	8.3	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.116	n/a	3/30/2021	9.9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.116	n/a	3/30/2021	13	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.116	n/a	4/1/2021	6	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.116	n/a	4/1/2021	12	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.116	n/a	3/31/2021	16	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.108	n/a	3/31/2021	0.12	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.108	n/a	3/30/2021	0.18	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.108	n/a	4/1/2021	0.14	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.108	n/a	4/1/2021	0.25	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.108	n/a	4/1/2021	0.38	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	3/31/2021	4.77	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	3/30/2021	4.82	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	3/30/2021	4.32	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	3/31/2021	15	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	4/7/2021	54	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	4/7/2021	96	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	4/6/2021	190	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	3/31/2021	200	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	4/1/2021	37	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	4/1/2021	210	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	3/30/2021	960	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	3/30/2021	270	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	3/30/2021	220	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	3/30/2021	140	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	3/31/2021	120	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	3/31/2021	75	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	4/1/2021	18	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	4/1/2021	74	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	3/31/2021	240	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	4/7/2021	210	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2

# Interwell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/4/2021, 11:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	4/6/2021	320	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	3/31/2021	300	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	4/1/2021	410	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	3/30/2021	1500	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	3/30/2021	420	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	3/30/2021	350	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	3/30/2021	380	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	3/31/2021	240	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	3/31/2021	220	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	4/1/2021	360	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	3/31/2021	430	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2



# Appendix III Interwell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:25 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	SGWC-10	0.13	n/a	3/31/2021	0.15	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-11	0.13	n/a	4/7/2021	0.68	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-12	0.13	n/a	4/7/2021	0.08ND	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	4/7/2021	0.59	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	4/6/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	3/31/2021	1.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	4/1/2021	0.55	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	4/1/2021	0.31	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	3/30/2021	6.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	3/30/2021	1.9	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	3/30/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	3/30/2021	1.1	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	3/31/2021	0.47	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	3/31/2021	0.51	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-6	0.13	n/a	4/1/2021	0.08ND	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	4/1/2021	0.069J	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	4/1/2021	0.14	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	3/31/2021	1.5	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-10	19	n/a	3/31/2021	2.3	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	4/7/2021	1.9	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	4/7/2021	23	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-13	19	n/a	4/7/2021	19	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	4/6/2021	42	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-15	19	n/a	3/31/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	4/1/2021	1.2	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	4/1/2021	57	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	3/30/2021	68	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	3/30/2021	50	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-20	19	n/a	3/30/2021	14	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	3/30/2021	41	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	3/31/2021	30	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	3/31/2021	24	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-6	19	n/a	4/1/2021	11	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	4/1/2021	22	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	4/1/2021	52	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	3/31/2021	47	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.116	n/a	3/31/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.116	n/a	4/7/2021	8.8	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.116	n/a	4/7/2021	9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.116	n/a	4/7/2021	10	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.116	n/a	4/6/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.116	n/a	3/30/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.116	n/a	3/30/2021	8.3	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.116	n/a	3/30/2021	9.9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.116	n/a	3/30/2021	13	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-6	3.116	n/a	4/1/2021	2.4	No	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.116	n/a	4/1/2021	6	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.116	n/a	4/1/2021	12	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.116	n/a	3/31/2021	16	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-10	0.108	n/a	3/31/2021	0.047J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.108	n/a	4/7/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.108	n/a	4/7/2021	0.066J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.108	n/a	4/7/2021	0.053J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.108	n/a	4/6/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.108	n/a	3/31/2021	0.12	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.108	n/a	4/1/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.108	n/a	4/1/2021	0.051J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.108	n/a	3/30/2021	0.1J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-19	0.108	n/a	3/30/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.108	n/a	3/30/2021	0.18	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-21	0.108	n/a	3/30/2021	0.074J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.108	n/a	3/31/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.108	n/a	3/31/2021	0.046J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2

# Appendix III Interwell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:25 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-6	0.108	n/a	4/1/2021	0.14	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.108	n/a	4/1/2021	0.25	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.108	n/a	4/1/2021	0.38	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-9	0.108	n/a	3/31/2021	0.073J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	6.87	5.09	3/31/2021	5.3	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	6.87	5.09	4/7/2021	5.18	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	6.87	5.09	4/7/2021	6.44	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	6.87	5.09	4/7/2021	6.07	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	6.87	5.09	4/6/2021	5.84	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	3/31/2021	4.77	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-16	6.87	5.09	4/1/2021	5.24	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	6.87	5.09	4/1/2021	6.25	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	3/30/2021	4.82	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-19	6.87	5.09	3/30/2021	5.57	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	3/30/2021	4.32	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-21	6.87	5.09	3/30/2021	6.17	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	6.87	5.09	3/31/2021	5.73	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	6.87	5.09	3/31/2021	5.93	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	6.87	5.09	4/1/2021	6.31	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	6.87	5.09	4/1/2021	6.44	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	6.87	5.09	4/1/2021	6.32	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	6.87	5.09	3/31/2021	6.2	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	3/31/2021	15	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	4/7/2021	1.3	No	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	4/7/2021	54	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	4/7/2021	96	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	4/6/2021	190	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	3/31/2021	200	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	4/1/2021	37	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	4/1/2021	210	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	3/30/2021	960	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	3/30/2021	270	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	3/30/2021	220	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	3/30/2021	140	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	3/31/2021	120	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	3/31/2021	75	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	4/1/2021	1ND	No	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	4/1/2021	18	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	4/1/2021	74	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	3/31/2021	240	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	3/31/2021	64	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	4/7/2021	40	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	4/7/2021	210	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	4/7/2021	200	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	4/6/2021	320	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	3/31/2021	300	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	4/1/2021	88	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	4/1/2021	410	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	3/30/2021	1500	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	3/30/2021	420	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	3/30/2021	350	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	3/30/2021	380	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	3/31/2021	240	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	3/31/2021	220	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	4/1/2021	83	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	4/1/2021	200	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	4/1/2021	360	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	3/31/2021	430	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2

# Appendix III Trend Test - Prediction Limit Exceedances - Significant Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:32 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron, total (mg/L)	SGWC-10	0.02288	90	58	Yes	16	12.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-11	0.05178	107	58	Yes	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5525	82	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.4338	66	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5828	65	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.747	101	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.712	83	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.593	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.693	-59	-58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-7	-1.973	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.2953	-71	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	0.9667	82	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	2.001	82	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	0.9343	86	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.6836	-63	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.551	94	58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.009133	-83	-81	Yes	20	45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-20	-0.0263	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1896	-60	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	5.76	85	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	6.004	114	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	16.46	103	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-20	-10.48	-69	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.06	80	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	6.165	84	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.98	-86	-58	Yes	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	27.37	91	58	Yes	16	0	n/a	n/a	0.01	NP

# Appendix III Trend Test - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-15	-58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	13	58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	5	58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	13	58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
<b>Boron, total (mg/L)</b>	<b>SGWC-10</b>	<b>0.02288</b>	<b>90</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>12.5</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron, total (mg/L)</b>	<b>SGWC-11</b>	<b>0.05178</b>	<b>107</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron, total (mg/L)	SGWC-13	-0.01509	-38	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.03312	39	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.02781	-28	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.00143	15	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.02101	30	58	No	16	0	n/a	n/a	0.01	NP
<b>Boron, total (mg/L)</b>	<b>SGWC-18</b>	<b>0.5525</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron, total (mg/L)	SGWC-19	0	10	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.05753	-28	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.0571	-54	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-22	0.02017	34	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.02988	-52	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.008453	52	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-9	0	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.1429	-51	-58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWA-2 (bg)</b>	<b>0.4338</b>	<b>66</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWA-24 (bg)</b>	<b>0.5828</b>	<b>65</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWA-25 (bg)	-0.3608	-49	-58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	-0.01984	-5	-58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.6302	55	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-5 (bg)	0.01998	24	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	11	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-14	0.7649	46	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-17</b>	<b>4.747</b>	<b>101</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-18	6.487	31	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-19</b>	<b>2.712</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-21	1.647	46	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-22</b>	<b>1.593</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWC-23</b>	<b>-1.693</b>	<b>-59</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWC-7</b>	<b>-1.973</b>	<b>-68</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-8	0.8506	42	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-0.277	-13	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.04923	-20	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	-0.03573	-26	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWA-3 (bg)</b>	<b>-0.2953</b>	<b>-71</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWA-4 (bg)	0	-16	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	-0.04189	-23	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	-0.05382	-10	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0	0	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1386	41	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-13</b>	<b>0.9667</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-14	0	-14	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.0613	28	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.1524	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-17	-0.04873	-17	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-18</b>	<b>2.001</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-19	-0.06213	-19	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	3	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-21</b>	<b>0.9343</b>	<b>86</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-22	0	22	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.09838	29	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-7</b>	<b>-0.6836</b>	<b>-63</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-8	-0.5011	-41	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-9</b>	<b>1.551</b>	<b>94</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWA-1 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.003284	-61	-81	No	20	50	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.005442	-65	-81	No	20	50	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.001763	-57	-81	No	20	50	n/a	n/a	0.01	NP

# Appendix III Trend Test - Prediction Limit Exceedances - All Results Page 2

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	SGWA-3 (bg)	0	16	81	No	20	75	n/a	n/a	0.01	NP
<b>Fluoride, total (mg/L)</b>	<b>SGWA-4 (bg)</b>	<b>-0.009133</b>	<b>-83</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWA-5 (bg)	0	7	81	No	20	90	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-15	0	14	81	No	20	0	n/a	n/a	0.01	NP
<b>Fluoride, total (mg/L)</b>	<b>SGWC-20</b>	<b>-0.0263</b>	<b>-103</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWC-6	-0.003931	-27	-81	No	20	15	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.01132	-61	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.02888	-74	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.0422	-64	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	-0.002649	-13	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.008333	24	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.02232	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02498	45	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01798	-45	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0.01022	13	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01561	-24	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02446	49	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005014	-8	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	-0.0111	-10	-58	No	16	25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	31	58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	3	58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	-19	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1506	-43	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWA-4 (bg)</b>	<b>-0.1896</b>	<b>-60</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWA-5 (bg)	0	36	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-10	0.3471	8	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-12</b>	<b>5.76</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-13	1.614	27	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-25	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	4	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-16</b>	<b>6.004</b>	<b>114</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-17</b>	<b>16.46</b>	<b>103</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-18	102.3	43	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	10.39	57	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-20</b>	<b>-10.48</b>	<b>-69</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-21</b>	<b>10.06</b>	<b>80</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-22</b>	<b>6.165</b>	<b>84</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-23</b>	<b>-11.98</b>	<b>-86</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-7	-1.037	-44	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.367	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-9	0	-6	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-5.888	-38	-58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	-12	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-5.275	-41	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	0.3424	1	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	8.78	46	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-5.998	-46	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	0	14	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	0	11	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	5.596	29	58	No	16	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>SGWC-17</b>	<b>27.37</b>	<b>91</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	191.4	45	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	13.31	30	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-4.859	-14	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	4.854	13	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	9.66	54	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-15.72	-48	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-5.945	-35	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-4.407	-9	-58	No	16	0	n/a	n/a	0.01	NP

# Upper Tolerance Limit - Appendix IV

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:37 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.0021	n/a	n/a	98	n/a	n/a	93.88	n/a	n/a	0.00656	NP Inter(NDs)
Arsenic (mg/L)	0.0015	n/a	n/a	133	n/a	n/a	84.96	n/a	n/a	0.00109	NP Inter(NDs)
Barium (mg/L)	0.071	n/a	n/a	133	n/a	n/a	0	n/a	n/a	0.00109	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	133	n/a	n/a	94.74	n/a	n/a	0.00109	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	126	n/a	n/a	98.41	n/a	n/a	0.00156	NP Inter(NDs)
Chromium (mg/L)	0.021	n/a	n/a	140	n/a	n/a	32.14	n/a	n/a	0.000...	NP Inter(normality)
Cobalt (mg/L)	0.02	n/a	n/a	133	n/a	n/a	62.41	n/a	n/a	0.00109	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.2	n/a	n/a	133	n/a	n/a	0	n/a	n/a	0.00109	NP Inter(normality)
Fluoride, total (mg/L)	0.108	n/a	n/a	140	n/a	n/a	65.71	n/a	n/a	0.000...	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	133	n/a	n/a	94.74	n/a	n/a	0.00109	NP Inter(NDs)
Lithium (mg/L)	0.005	n/a	n/a	133	n/a	n/a	92.48	n/a	n/a	0.00109	NP Inter(NDs)
Mercury (mg/L)	0.0005	n/a	n/a	135	n/a	n/a	90.37	n/a	n/a	0.000...	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	126	n/a	n/a	90.48	n/a	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	133	n/a	n/a	90.23	n/a	n/a	0.00109	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	133	n/a	n/a	91.73	n/a	n/a	0.00109	NP Inter(NDs)

<b>SCHERER ASH POND GWPS</b>					
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>Federal GWPS</b>	<b>State GWPS</b>
Antimony, Total (mg/L)	0.006		0.0021	0.006	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01	0.01
Barium, Total (mg/L)	2		0.071	2	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005	0.005
Chromium, Total (mg/L)	0.1		0.021	0.1	0.1
Cobalt, Total (mg/L)		0.006	0.02	0.02	0.02
Combined Radium, Total (pCi/L)	5		1.2	5	5
Fluoride, Total (mg/L)	4		0.11	4	4
Lead, Total (mg/L)		0.015	0.001	0.015	0.001
Lithium, Total (mg/L)		0.04	0.005	0.04	0.005
Mercury, Total (mg/L)	0.002		0.0005	0.002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1	0.015
Selenium, Total (mg/L)	0.05		0.005	0.05	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002	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*

# Federal Confidence Interval - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	SGWC-10	0.03201	0.0216	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-11	0.02885	0.02241	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-15	0.2765	0.2595	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-18	0.1586	0.1168	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-20	0.2203	0.1607	0.02	Yes	19	0	None	No	0.01	Param.



# Federal Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.0007	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	19	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001373	0.0008754	0.01	No	19	21.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001045	0.00075	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003141	0.001707	0.01	No	19	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.0005	0.01	No	19	47.37	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	19	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.00059	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00063	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00068	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03281	0.02821	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04244	0.0377	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.054	0.0321	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-13	0.03459	0.02705	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05971	0.05184	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0388	0.03272	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.029	0.017	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-17	0.02218	0.01886	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.029	0.0138	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-19	0.0412	0.03409	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03416	0.02563	2	No	19	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.09	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09167	0.08128	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08474	0.06996	2	No	19	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	SGWC-6	0.1061	0.06324	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.3007	0.258	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06792	0.05628	2	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00059	0.00037	0.004	No	19	15.79	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	19	47.37	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.00019	0.004	No	19	73.68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008104	0.000654	0.004	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	18	44.44	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	18	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.0026	0.0016	0.1	No	19	68.42	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03514	0.03258	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01171	0.009637	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.006475	0.004049	0.1	No	19	0	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009498	0.00743	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01587	0.01437	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	19	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	19	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	19	63.16	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001707	0.001256	0.1	No	19	47.37	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	19	57.89	None	No	0.01	NP (NDs)
<b>Cobalt (mg/L)</b>	<b>SGWC-10</b>	<b>0.03201</b>	<b>0.0216</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>

# Federal Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
<b>Cobalt (mg/L)</b>	<b>SGWC-11</b>	<b>0.02885</b>	<b>0.02241</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-12	0.004058	0.002582	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.007231	0.003185	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01168	0.006994	0.02	No	19	0	None	No	0.01	Param.
<b>Cobalt (mg/L)</b>	<b>SGWC-15</b>	<b>0.2765</b>	<b>0.2595</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-16	0.004204	0.003442	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	19	21.05	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-18</b>	<b>0.1586</b>	<b>0.1168</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-20</b>	<b>0.2203</b>	<b>0.1607</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	19	63.16	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003396	0.001895	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	19	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0012	0.02	No	19	36.84	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.01045	0.00539	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.00265	0.00049	0.02	No	19	68.42	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01276	0.006525	0.02	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.0159	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.494	0.1475	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4403	0.1561	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4468	0.1548	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3568	0.05013	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4613	0.229	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3489	0.09083	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4313	0.1716	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.449	0.139	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.6191	0.3296	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.143	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4596	0.1292	5	No	19	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6629	0.3938	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.4127	0.1483	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5102	0.2906	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.573	2.075	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3852	0.1213	5	No	19	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.101	0.06387	4	No	20	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	20	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.06979	0.04191	4	No	20	45	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.1	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	20	85	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2669	0.184	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09367	0.06554	4	No	20	35	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	20	45	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1354	0.09799	4	No	20	15	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2249	0.1786	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4597	0.3585	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08051	0.05504	4	No	20	45	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	19	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00029	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.015	No	19	47.37	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00022	0.015	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	19	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.04	No	19	68.42	None	No	0.01	NP (NDs)

# Federal Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	19	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004789	0.003931	0.04	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.04	No	19	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004868	0.003999	0.04	No	18	5.556	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	19	78.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	19	84.21	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.04	No	19	47.37	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005399	0.004289	0.04	No	18	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.04	No	19	73.68	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	19	36.84	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00011	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001765	0.000112	0.002	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	19	84.21	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.01	No	18	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.01	No	18	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.01	No	18	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.00965	0.0013	0.05	No	19	47.37	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	19	68.42	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.0117	0.00416	0.05	No	19	5.263	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0011	0.05	No	19	63.16	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	19	42.11	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00012	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00014	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	19	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.00027	0.002	No	19	94.74	None	No	0.01	NP (NDs)

# State Confidence Interval - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	SGWC-10	0.03201	0.0216	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-11	0.02885	0.02241	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-15	0.2765	0.2595	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-18	0.1586	0.1168	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-20	0.2203	0.1607	0.02	Yes	19	0	None	No	0.01	Param.

# State Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.0007	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	19	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001373	0.0008754	0.01	No	19	21.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001045	0.00075	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003141	0.001707	0.01	No	19	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.0005	0.01	No	19	47.37	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	19	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.00059	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00063	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00068	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03281	0.02821	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04244	0.0377	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.054	0.0321	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-13	0.03459	0.02705	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05971	0.05184	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0388	0.03272	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.029	0.017	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-17	0.02218	0.01886	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.029	0.0138	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-19	0.0412	0.03409	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03416	0.02563	2	No	19	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.09	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09167	0.08128	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08474	0.06996	2	No	19	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	SGWC-6	0.1061	0.06324	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.3007	0.258	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06792	0.05628	2	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00059	0.00037	0.004	No	19	15.79	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	19	47.37	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.00019	0.004	No	19	73.68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008104	0.000654	0.004	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	18	44.44	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	18	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.0026	0.0016	0.1	No	19	68.42	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03514	0.03258	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01171	0.009637	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.006475	0.004049	0.1	No	19	0	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009498	0.00743	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01587	0.01437	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	19	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	19	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	19	63.16	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001707	0.001256	0.1	No	19	47.37	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	19	57.89	None	No	0.01	NP (NDs)
<b>Cobalt (mg/L)</b>	<b>SGWC-10</b>	<b>0.03201</b>	<b>0.0216</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>

# State Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
<b>Cobalt (mg/L)</b>	<b>SGWC-11</b>	<b>0.02885</b>	<b>0.02241</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-12	0.004058	0.002582	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.007231	0.003185	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01168	0.006994	0.02	No	19	0	None	No	0.01	Param.
<b>Cobalt (mg/L)</b>	<b>SGWC-15</b>	<b>0.2765</b>	<b>0.2595</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-16	0.004204	0.003442	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	19	21.05	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-18</b>	<b>0.1586</b>	<b>0.1168</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-20</b>	<b>0.2203</b>	<b>0.1607</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	19	63.16	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003396	0.001895	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	19	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0012	0.02	No	19	36.84	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.01045	0.00539	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.00265	0.00049	0.02	No	19	68.42	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01276	0.006525	0.02	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.0159	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.494	0.1475	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4403	0.1561	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4468	0.1548	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3568	0.05013	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4613	0.229	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3489	0.09083	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4313	0.1716	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.449	0.139	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.6191	0.3296	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.143	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4596	0.1292	5	No	19	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6629	0.3938	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.4127	0.1483	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5102	0.2906	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.573	2.075	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3852	0.1213	5	No	19	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.101	0.06387	4	No	20	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	20	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.06979	0.04191	4	No	20	45	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.1	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	20	85	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2669	0.184	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09367	0.06554	4	No	20	35	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	20	45	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1354	0.09799	4	No	20	15	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2249	0.1786	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4597	0.3585	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08051	0.05504	4	No	20	45	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	19	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00029	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	19	47.37	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00022	0.001	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	19	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.005	No	19	68.42	None	No	0.01	NP (NDs)

# State Confidence Interval - All Results

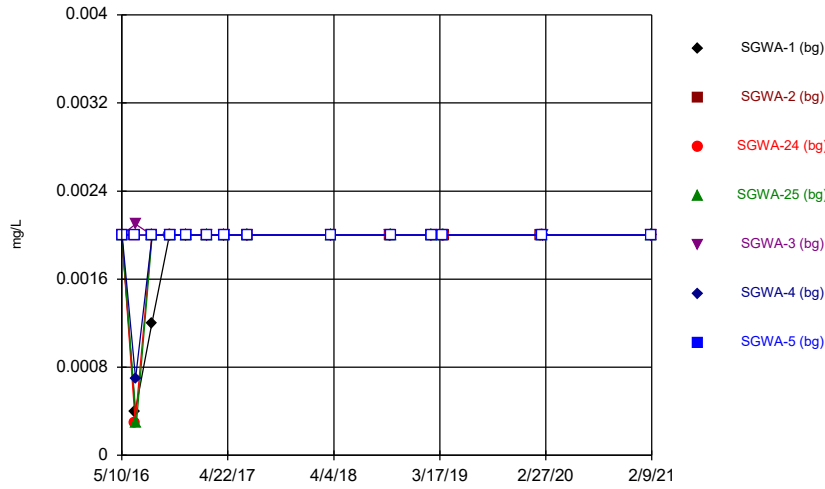
Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	19	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004789	0.003931	0.005	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.005	No	19	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004868	0.003999	0.005	No	18	5.556	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	19	78.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	19	84.21	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.005	No	19	47.37	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005399	0.004289	0.005	No	18	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.005	No	19	73.68	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	19	36.84	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00011	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001765	0.000112	0.002	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	19	84.21	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.015	No	18	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	18	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.015	No	18	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.00965	0.0013	0.05	No	19	47.37	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	19	68.42	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.0117	0.00416	0.05	No	19	5.263	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0011	0.05	No	19	63.16	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	19	42.11	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00012	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00014	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	19	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.00027	0.002	No	19	94.74	None	No	0.01	NP (NDs)

FIGURE A.

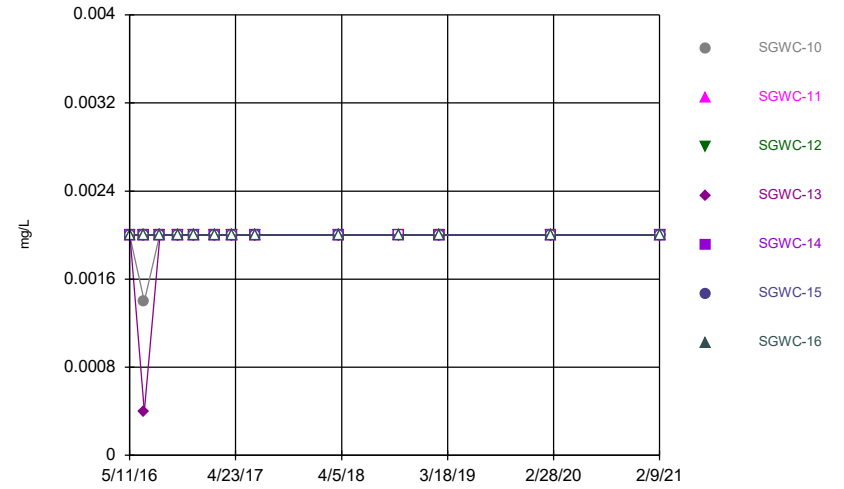


Time Series



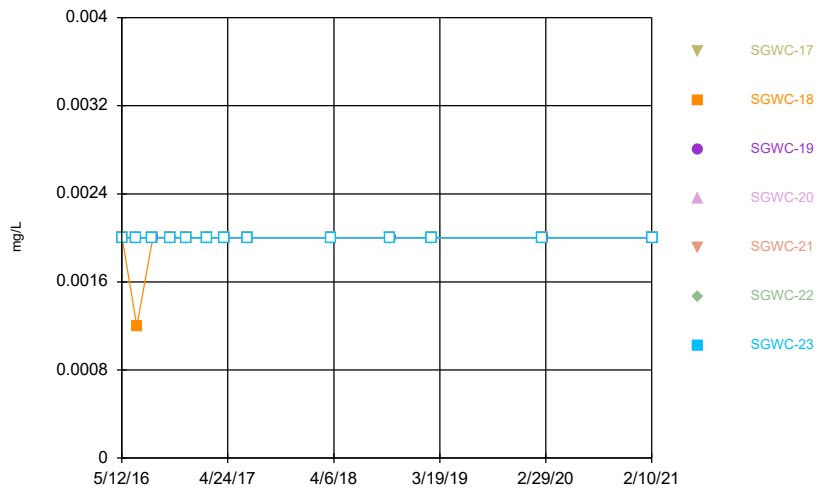
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 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



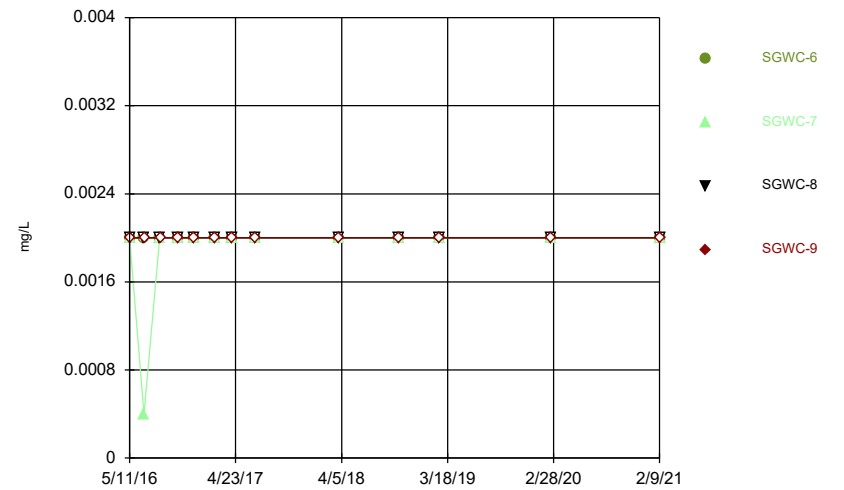
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Time Series



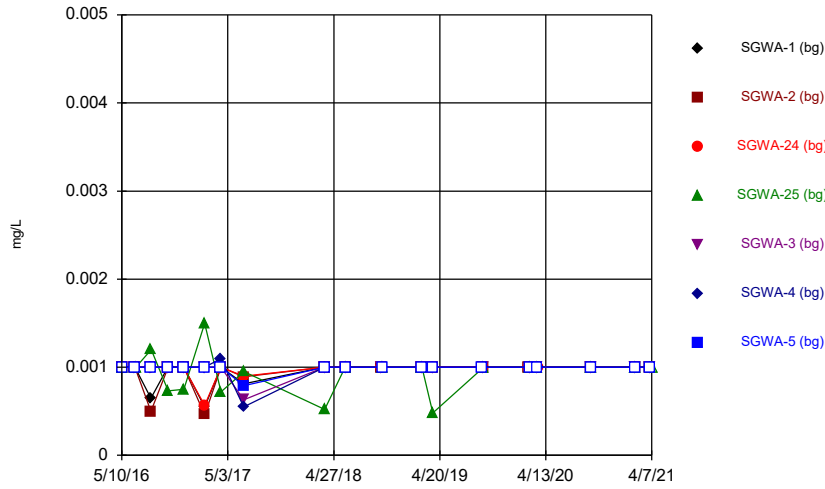
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Time Series



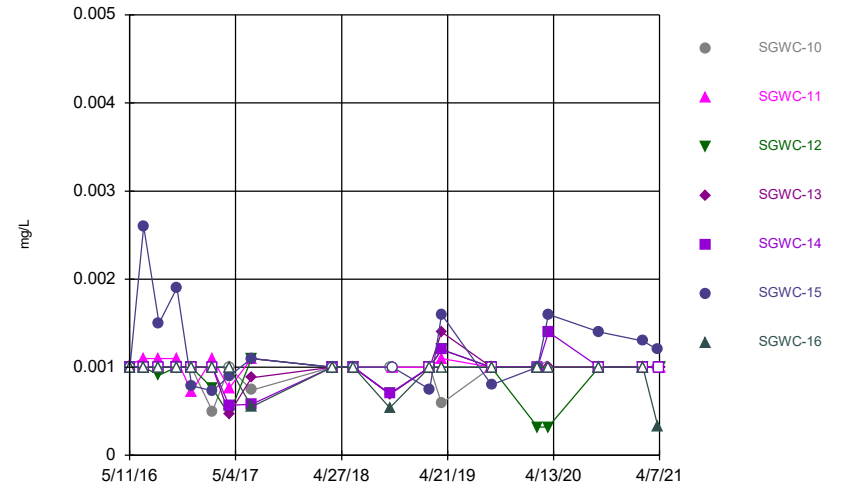
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Time Series



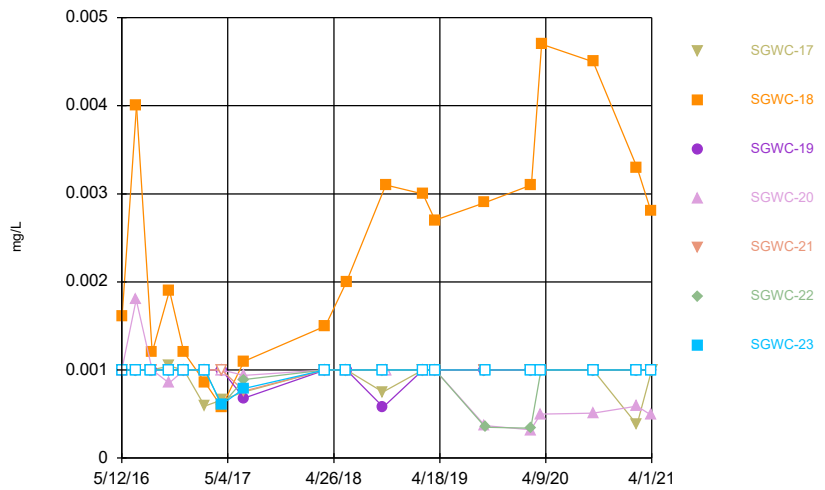
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Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



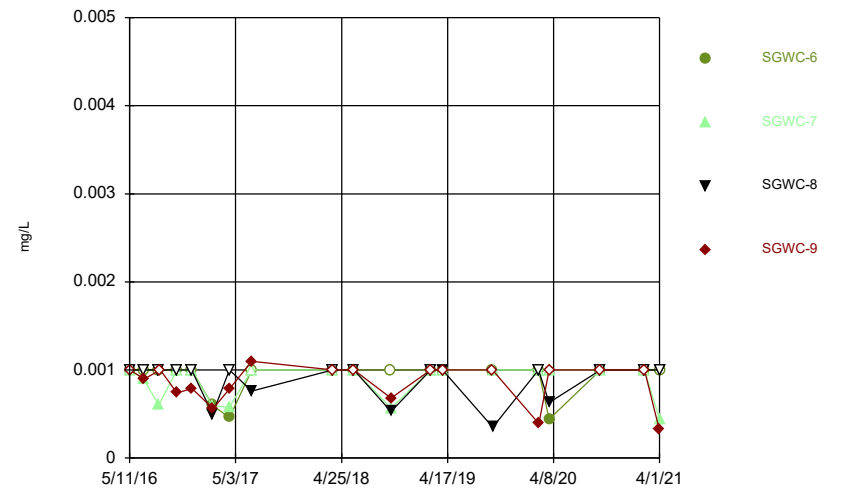
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Time Series



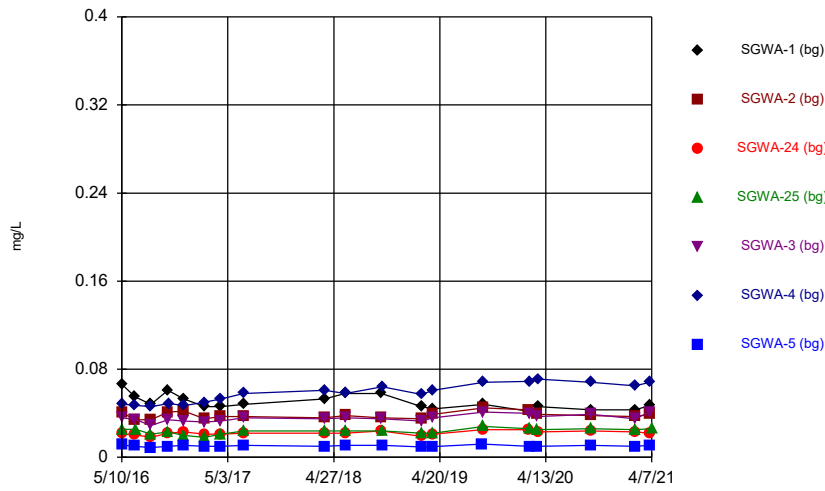
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Time Series



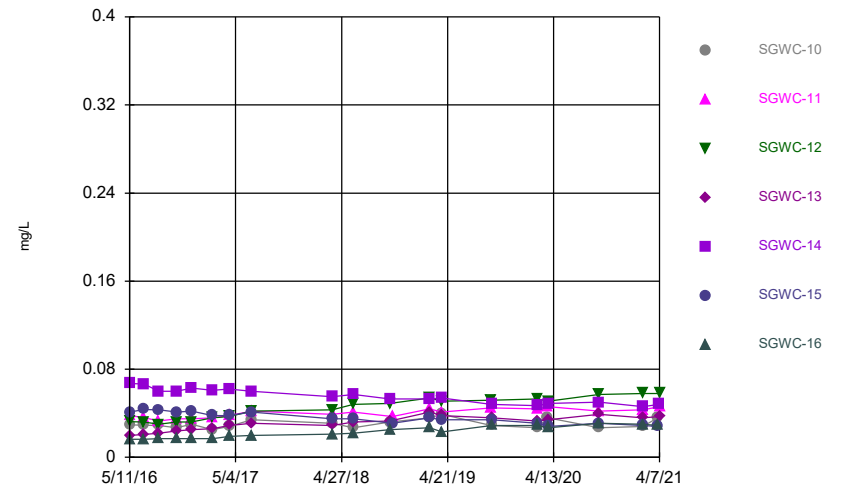
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Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



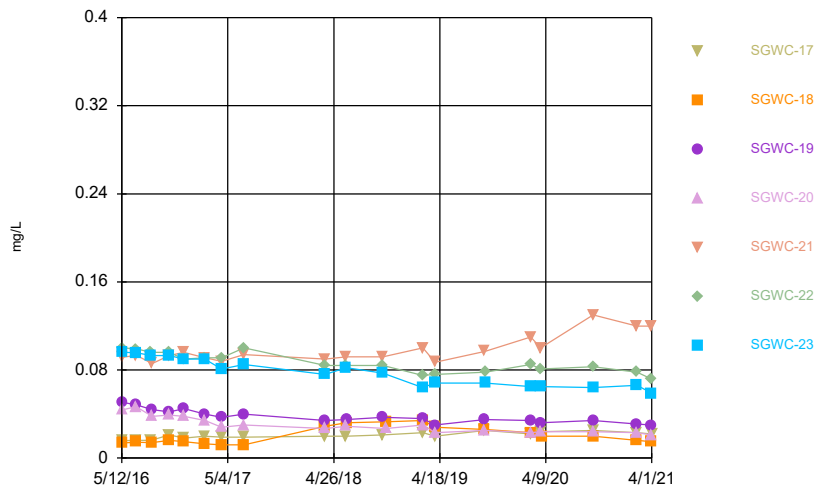
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### Time Series



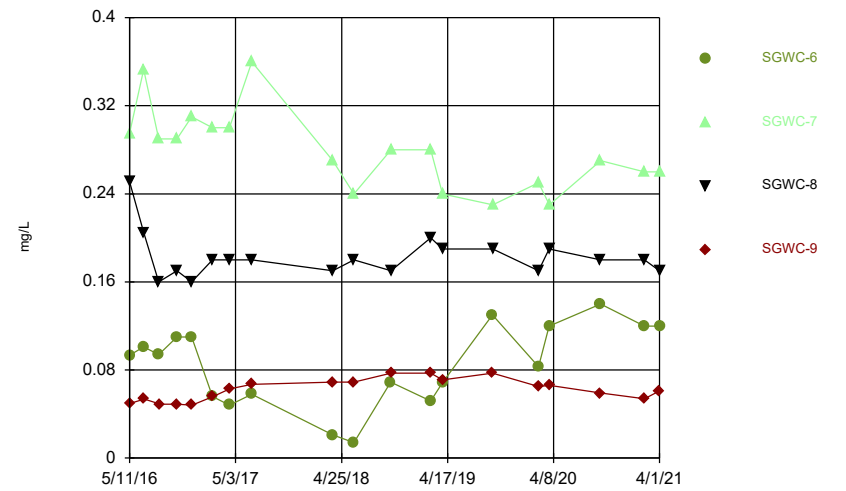
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### Time Series



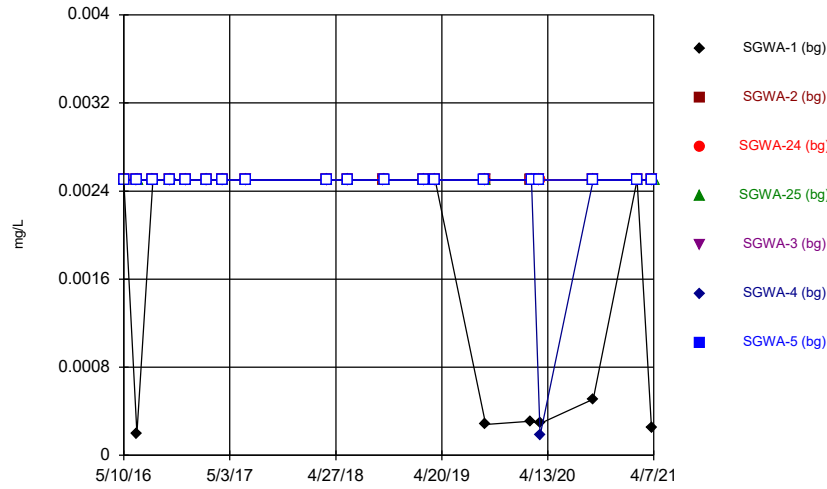
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### Time Series



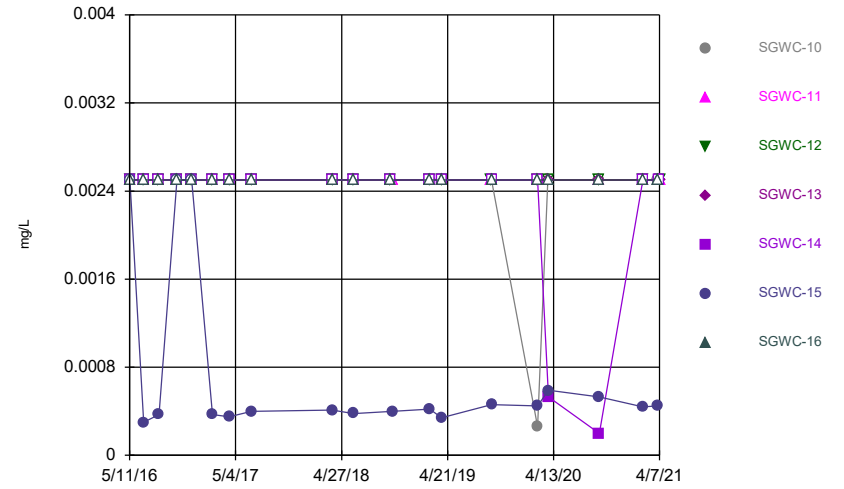
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Time Series



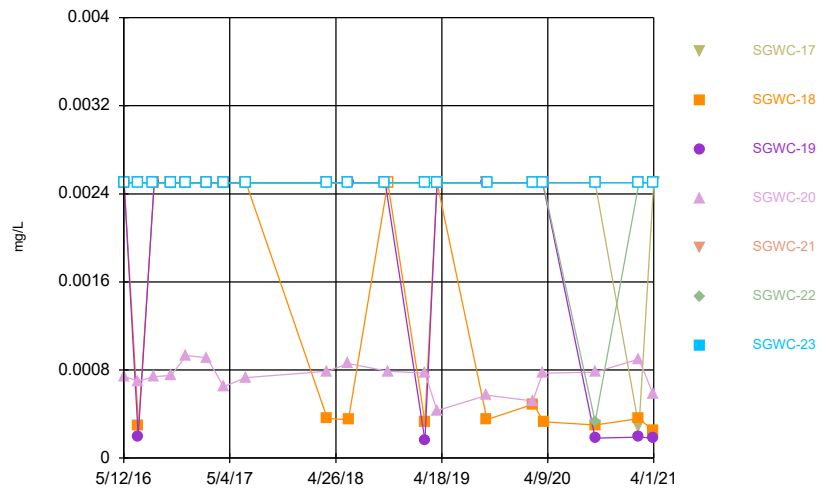
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 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



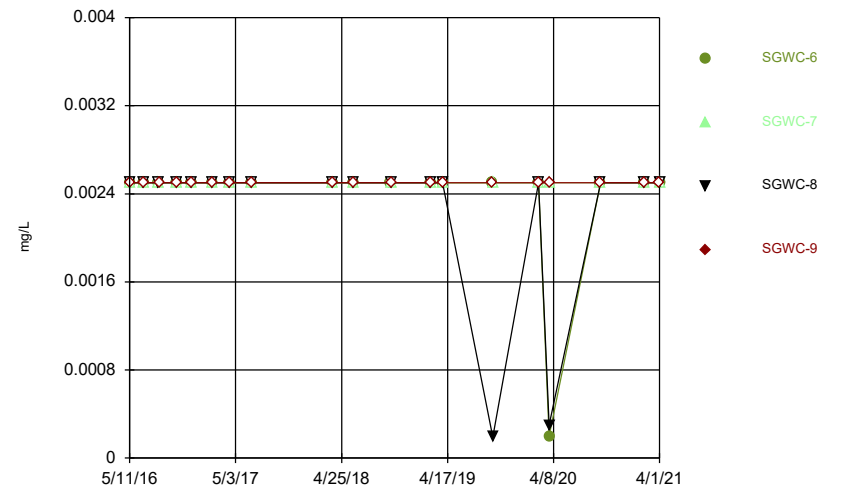
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Time Series



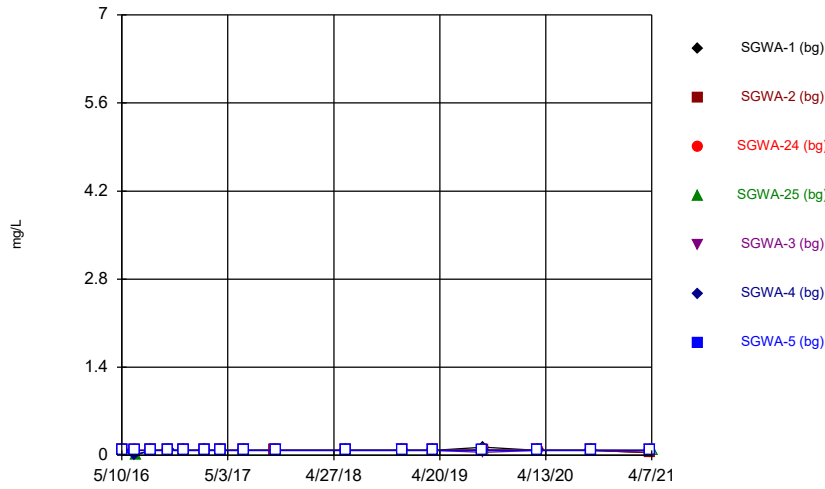
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Time Series



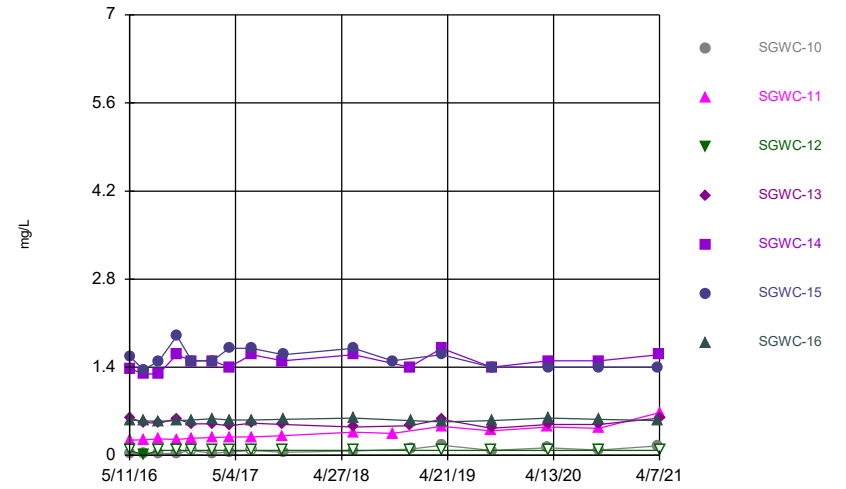
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Time Series



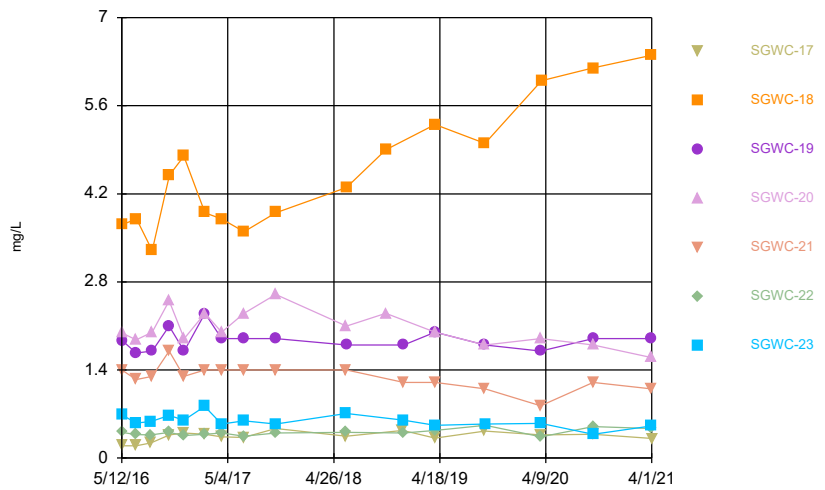
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 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



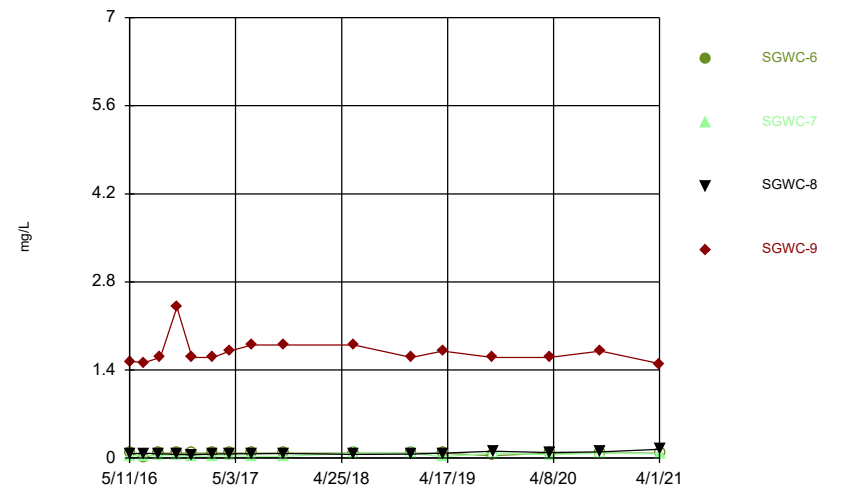
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Time Series



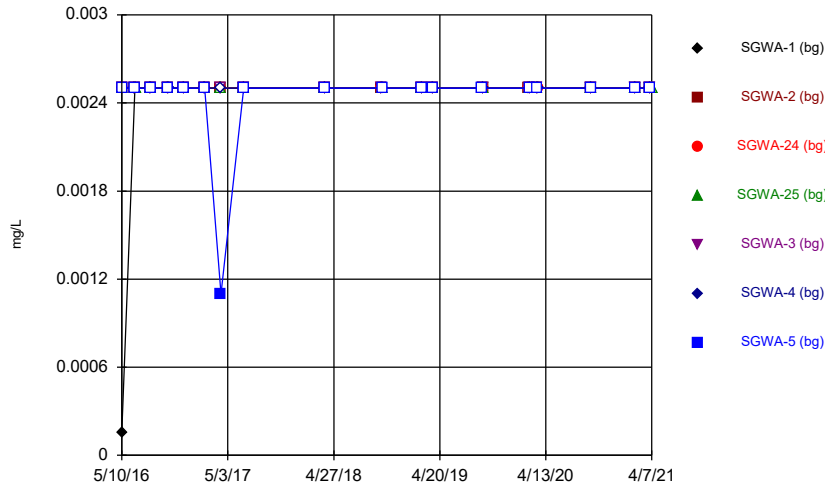
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Time Series



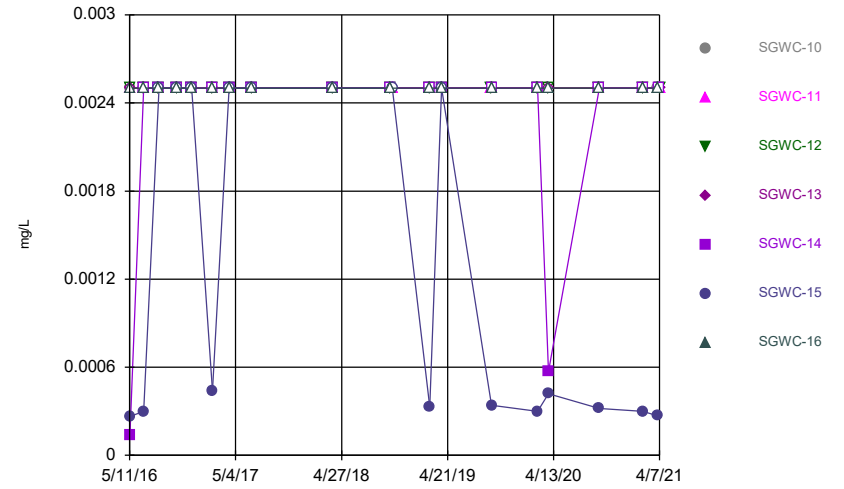
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 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



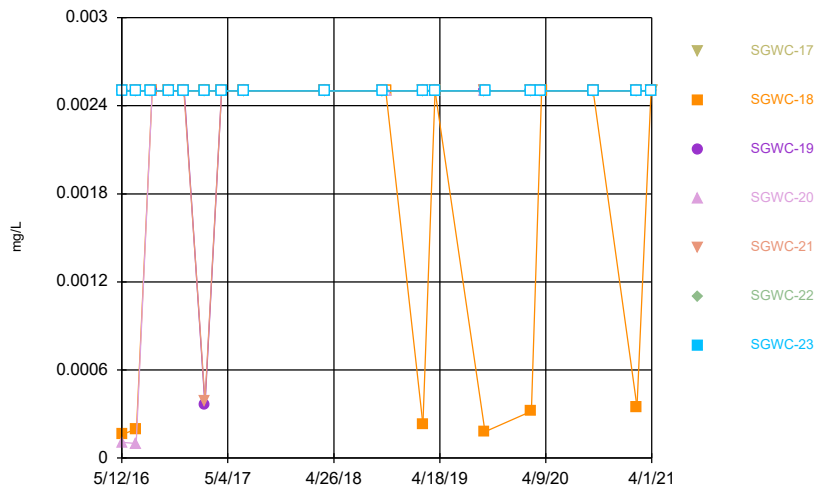
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Time Series



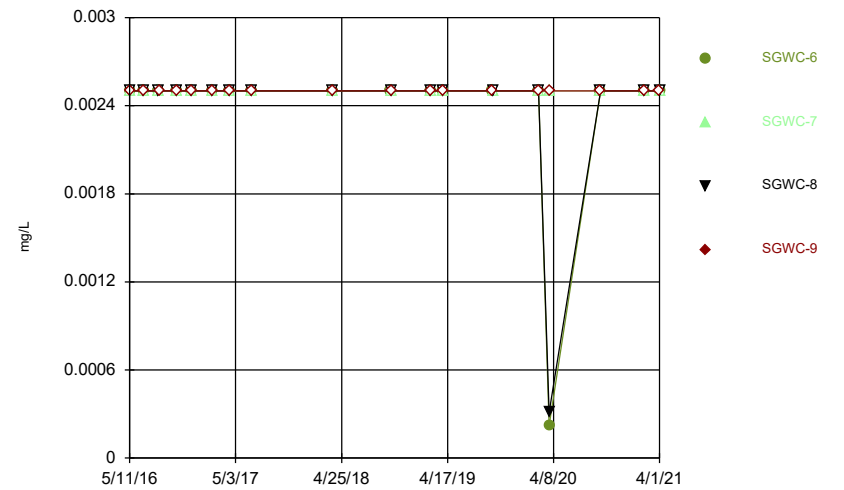
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Time Series



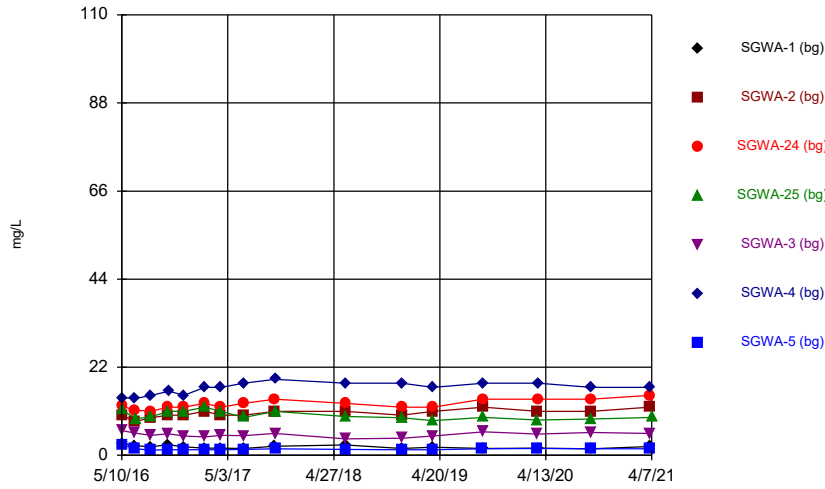
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Time Series



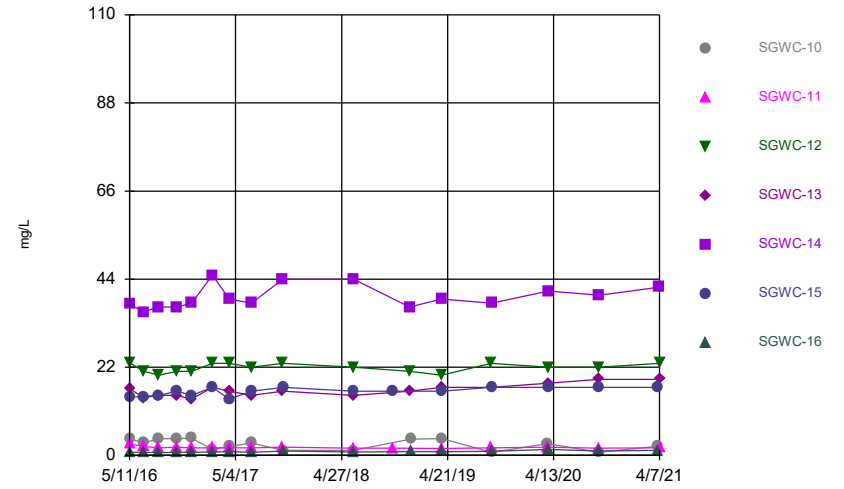
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### Time Series



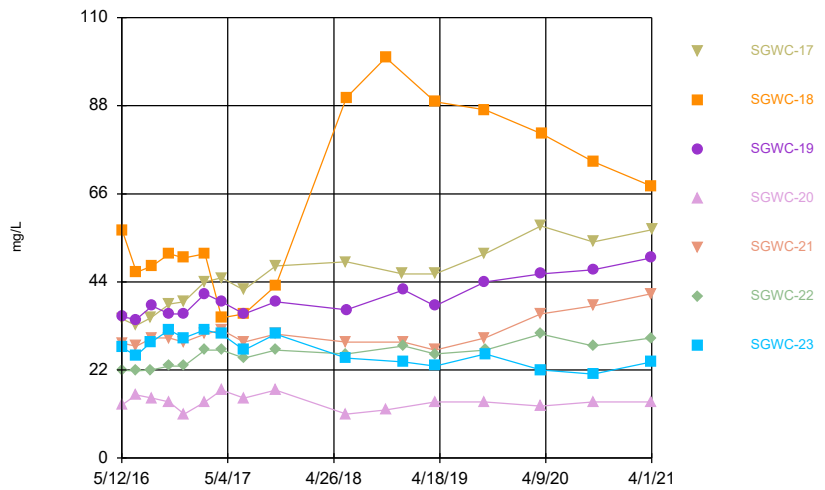
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 Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



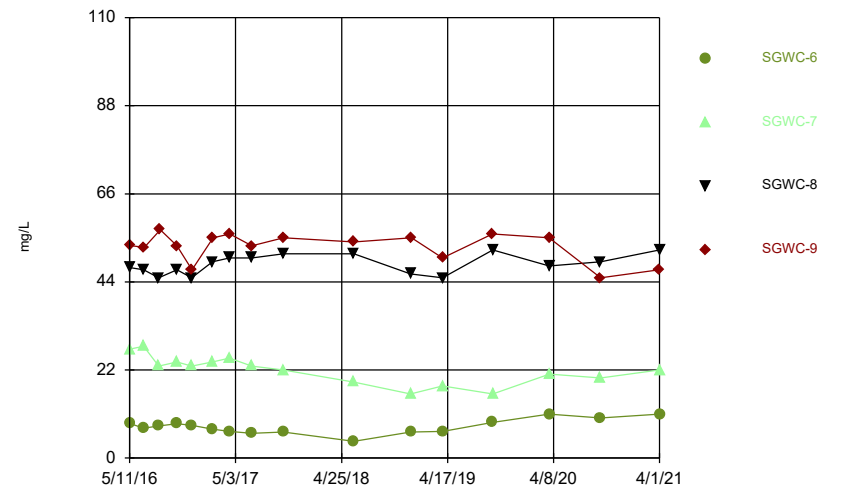
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### Time Series



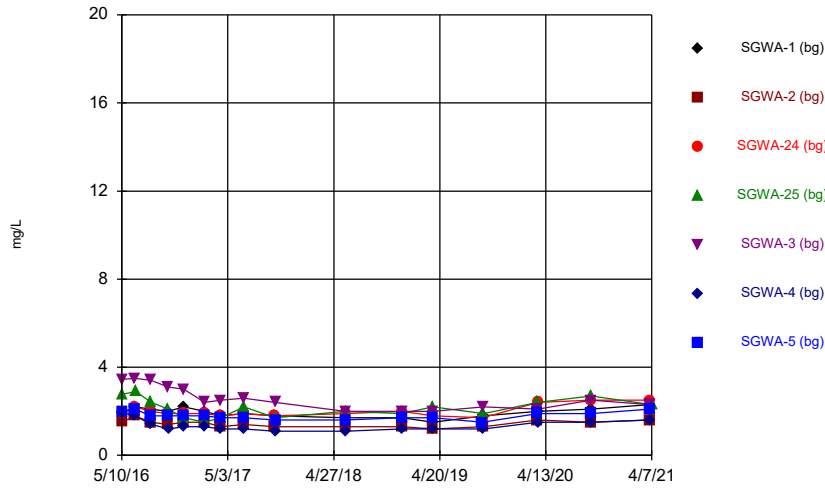
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### Time Series



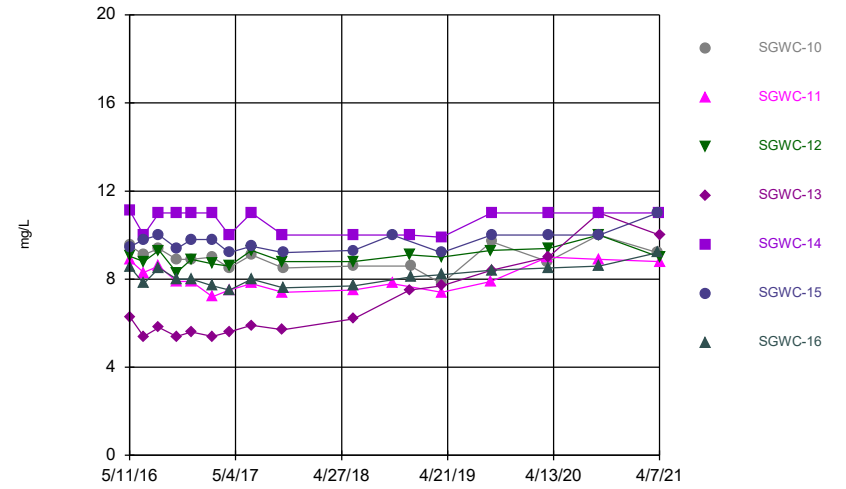
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### Time Series



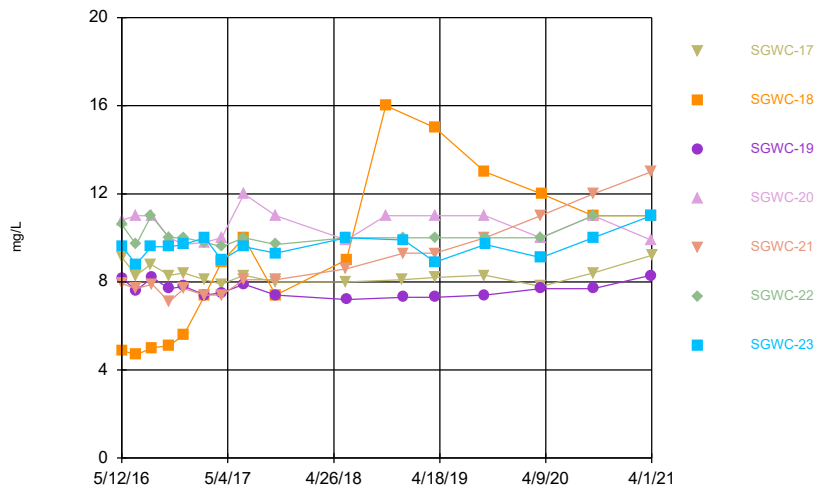
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### Time Series



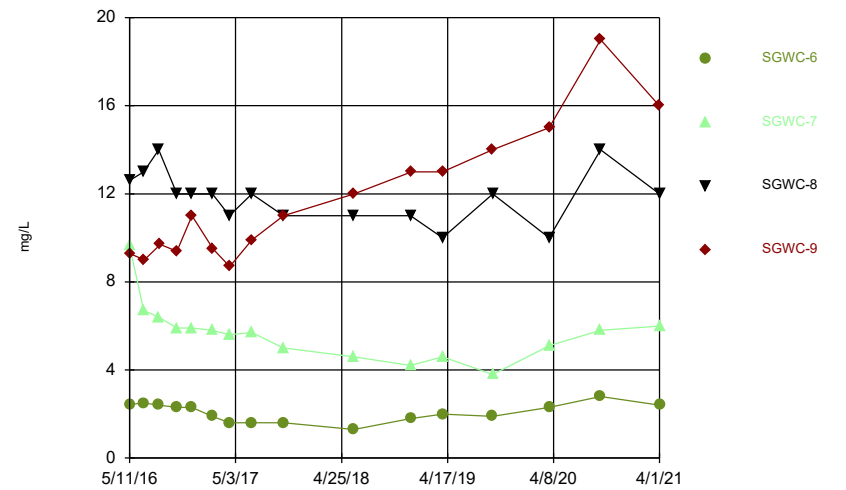
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 Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



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 Plant Scherer Client: Southern Company Data: Scherer AP

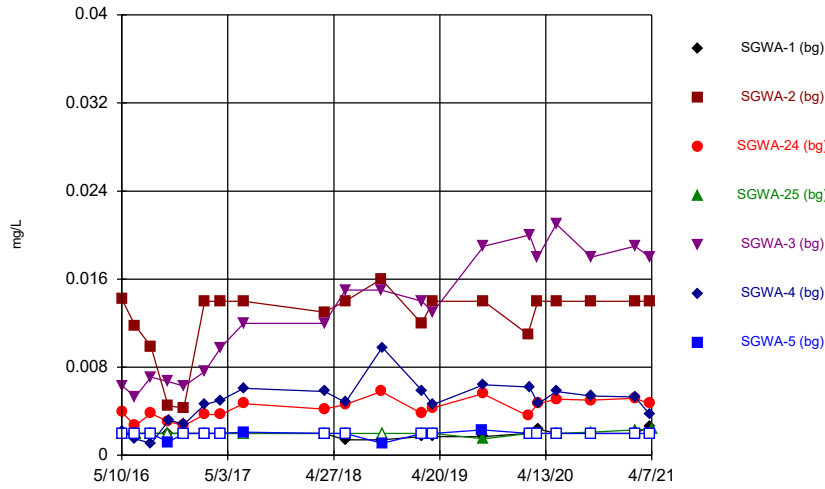
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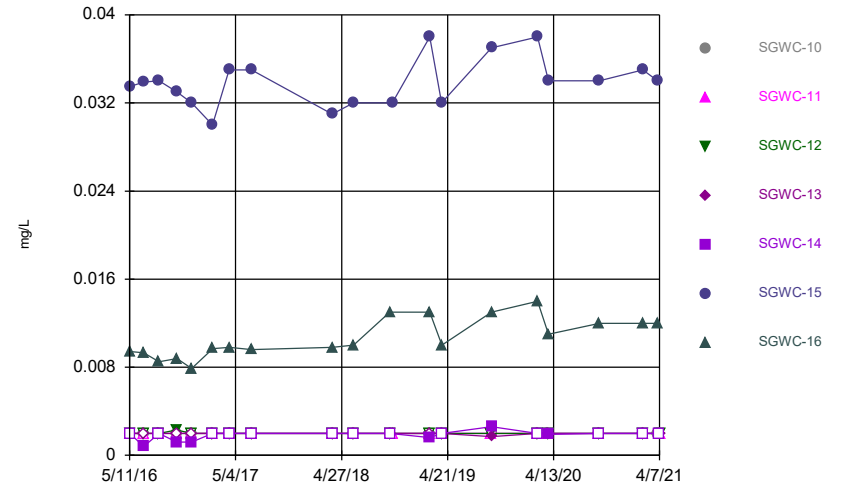


Time Series



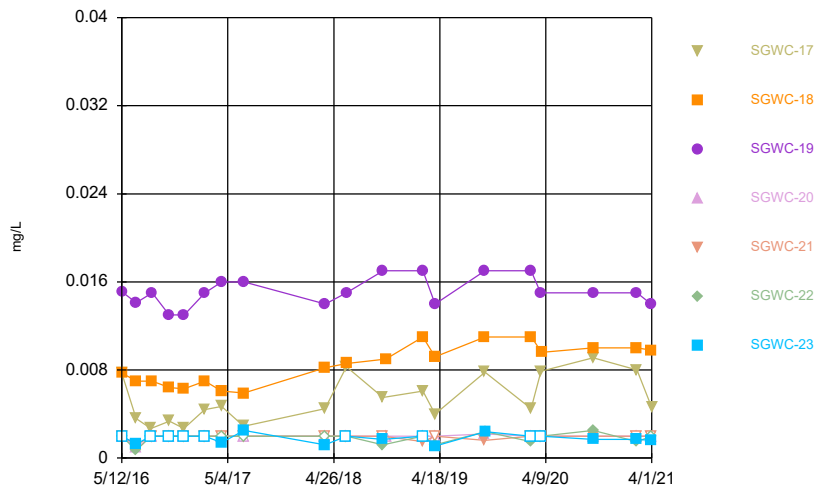
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Time Series



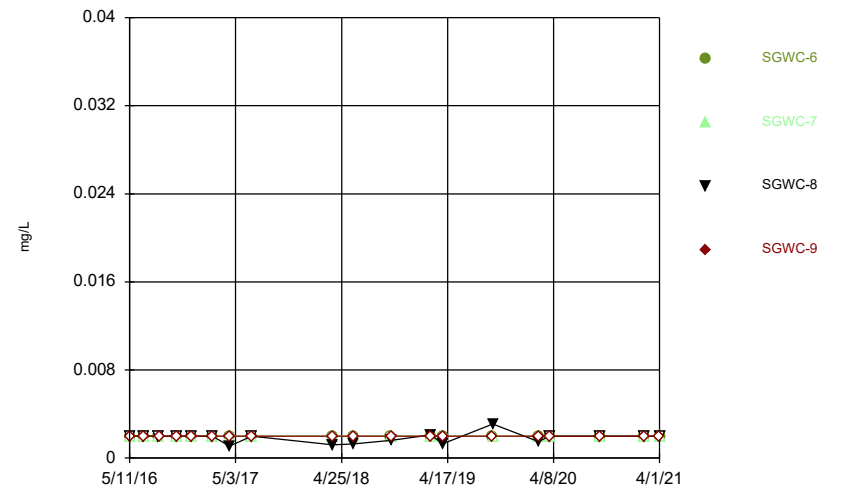
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Time Series



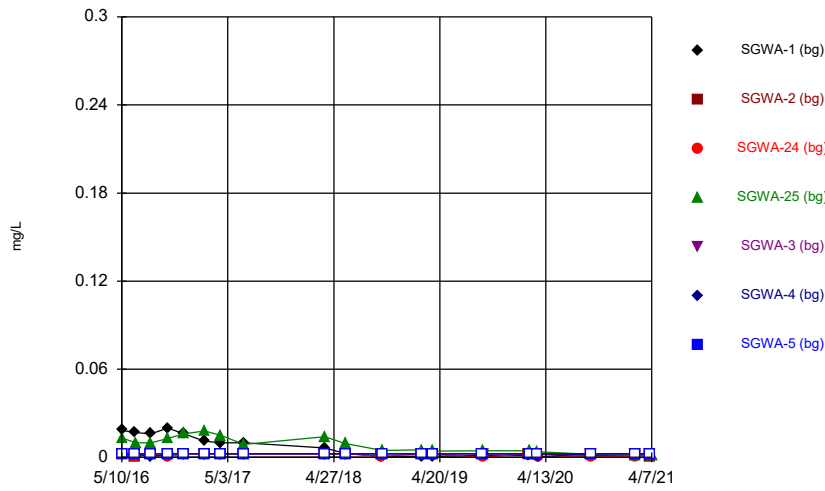
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Time Series



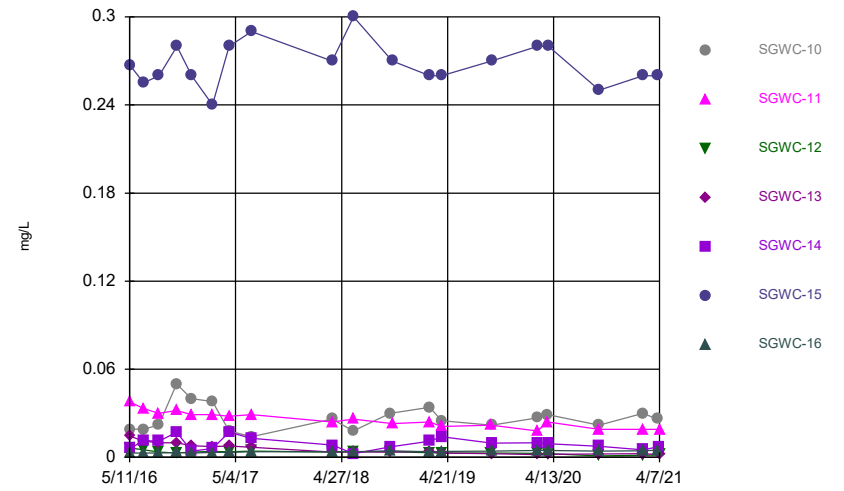
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Time Series



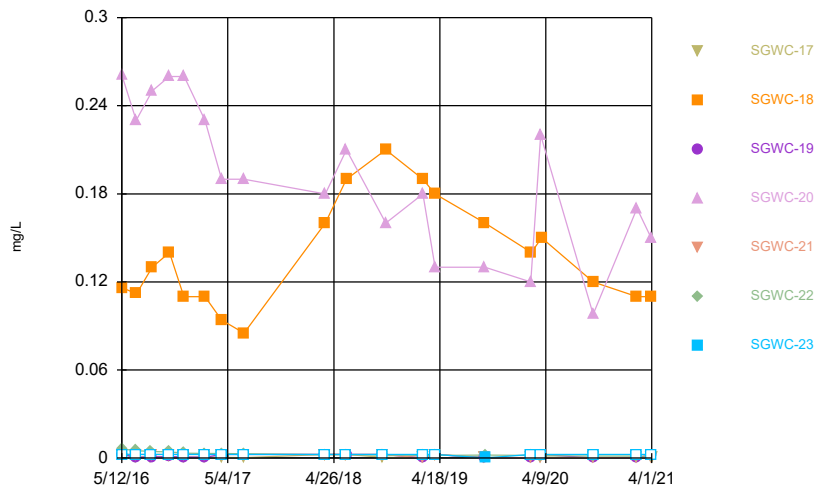
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Time Series



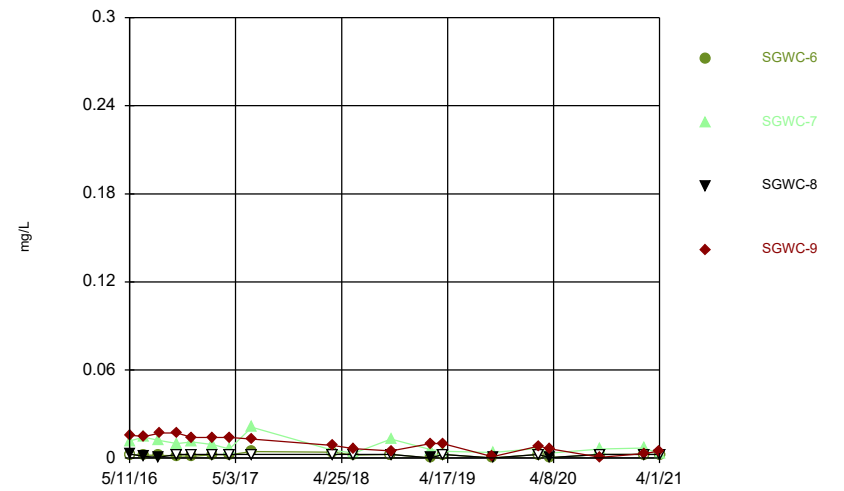
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Time Series



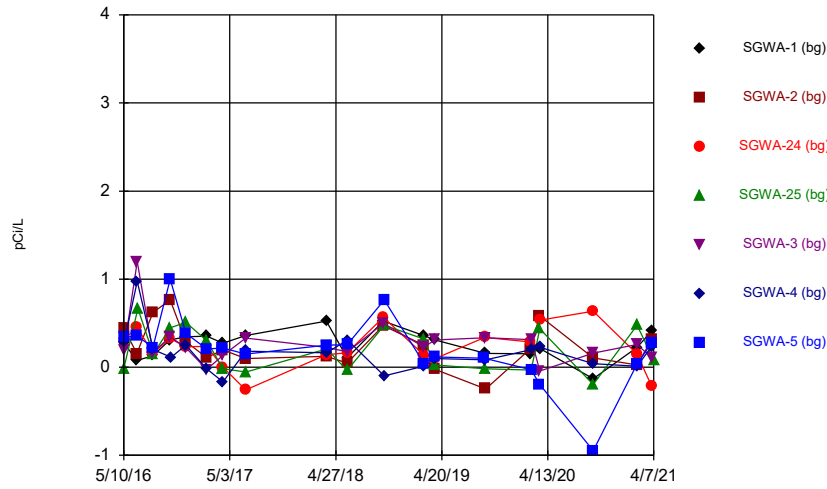
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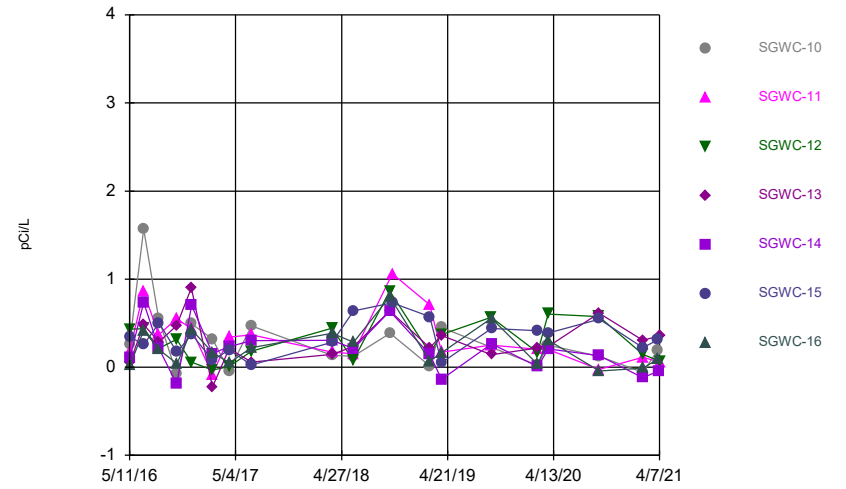
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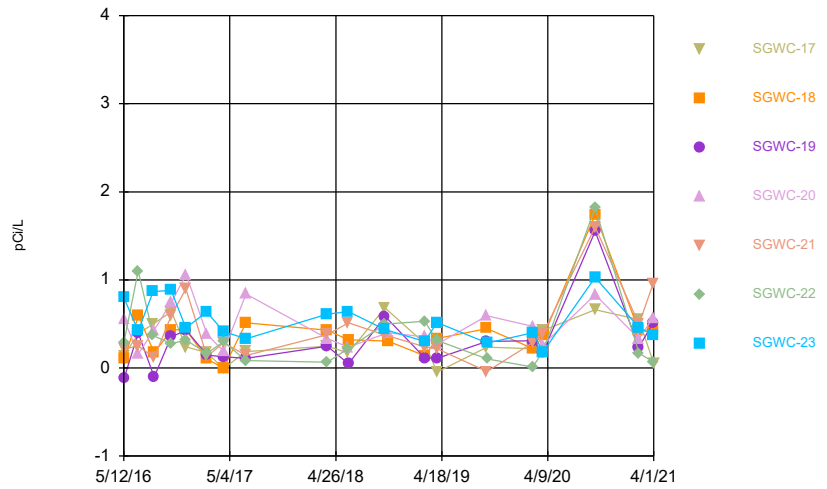
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### Time Series



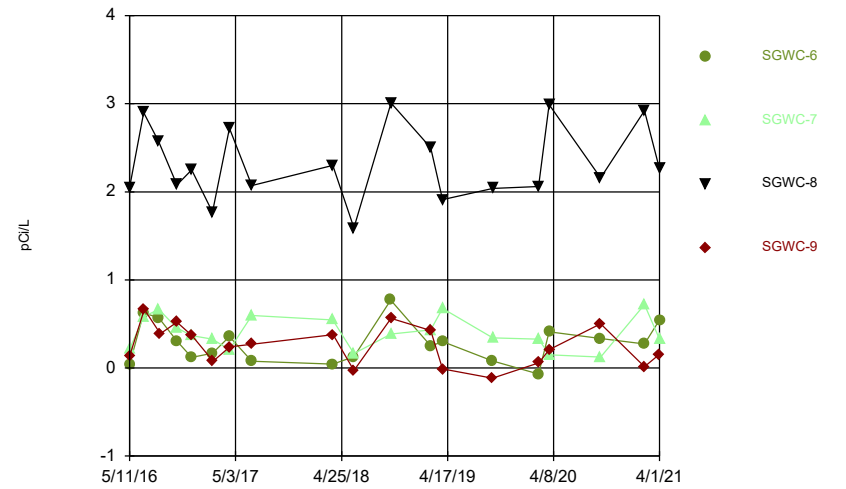
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### Time Series



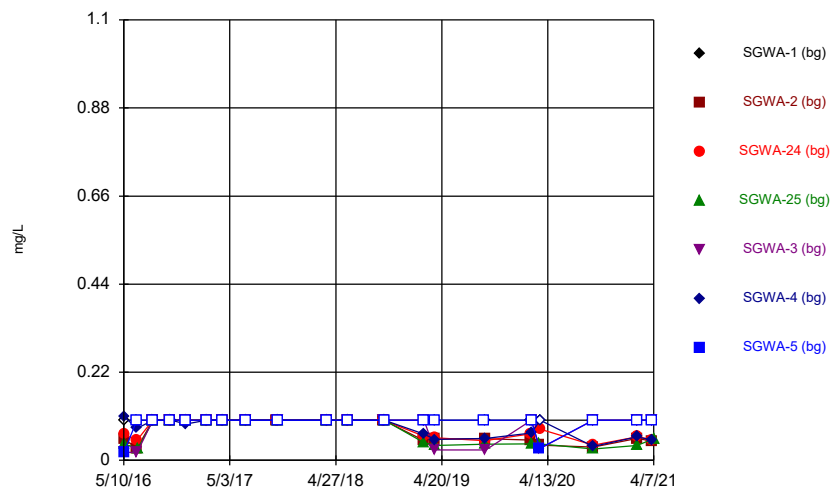
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### Time Series



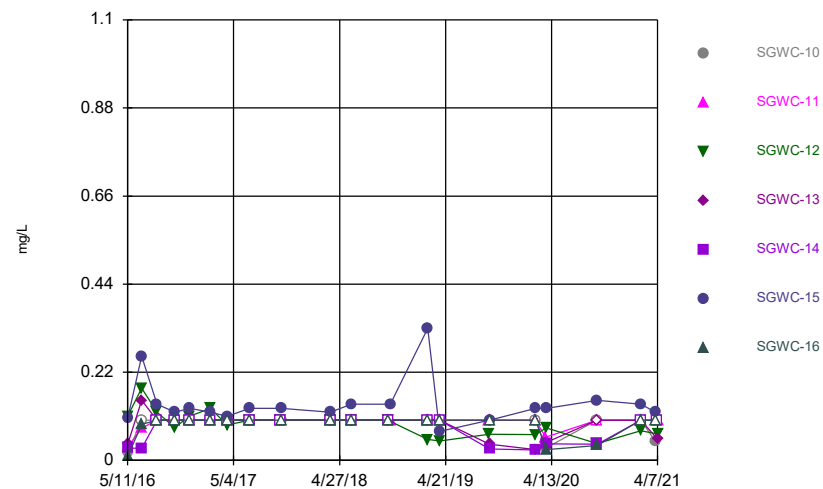
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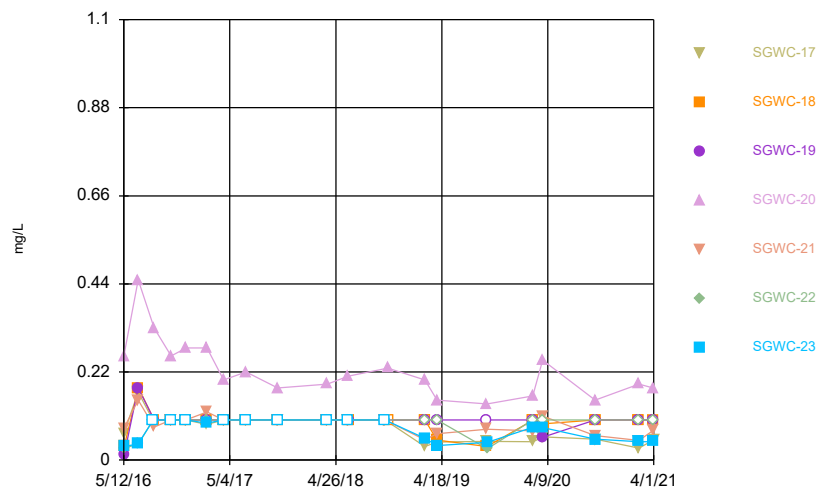
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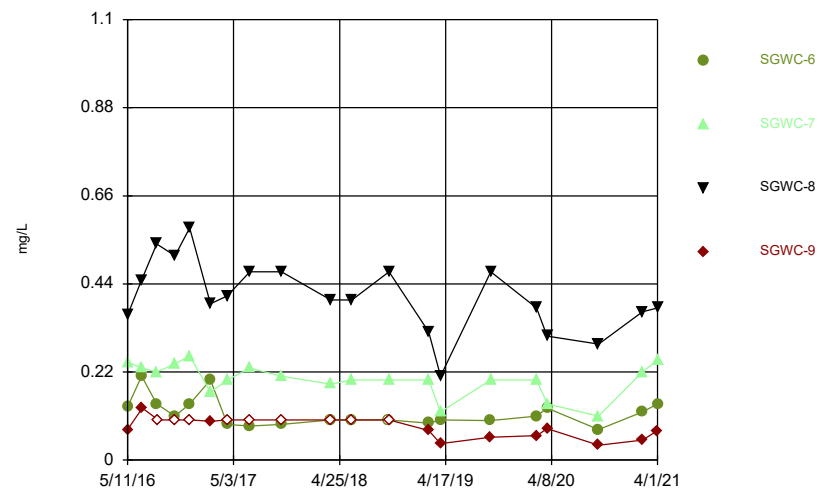
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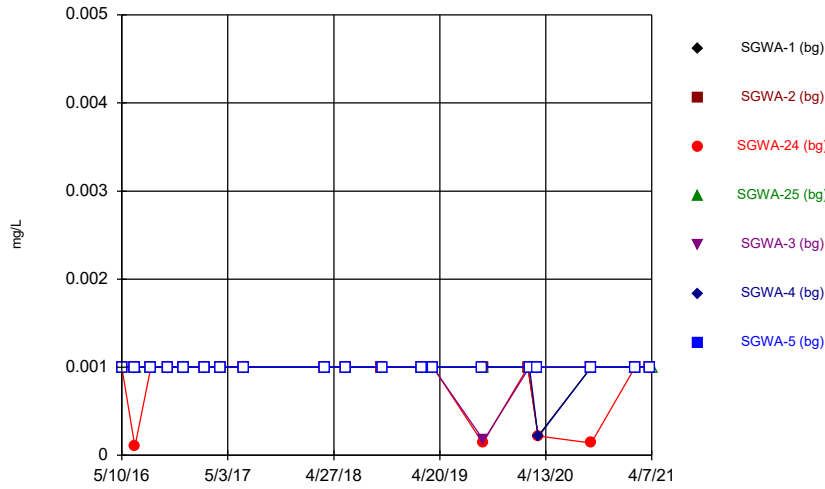
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### Time Series



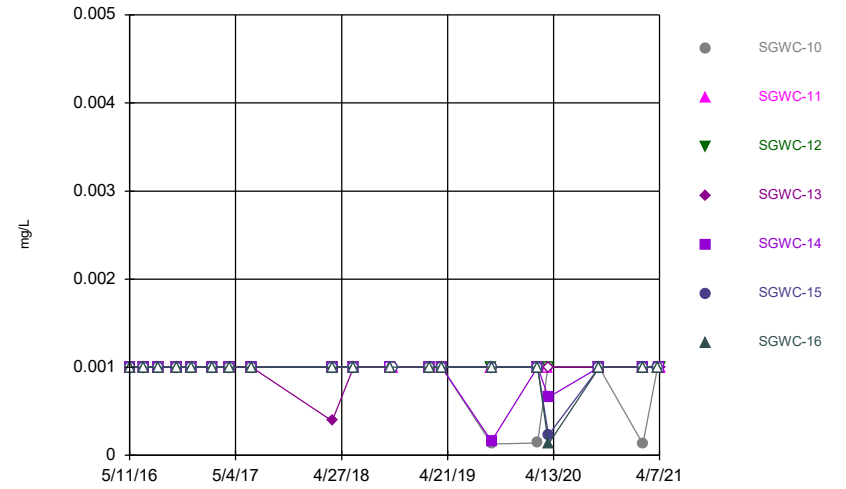
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Time Series



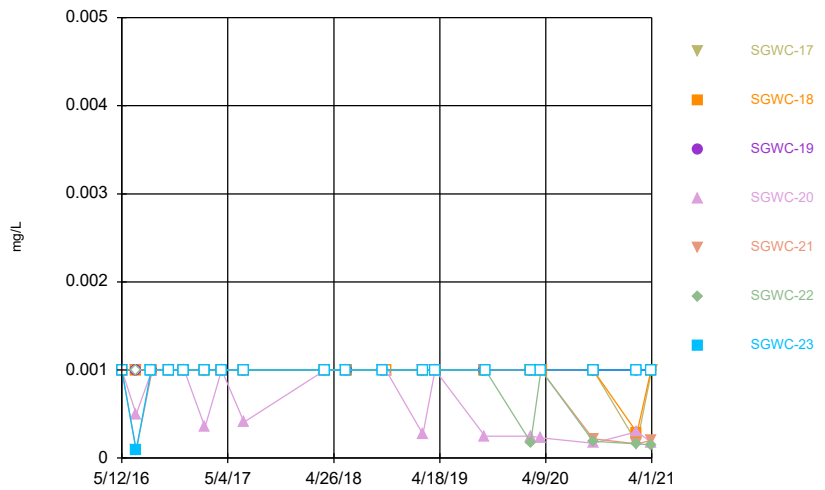
Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



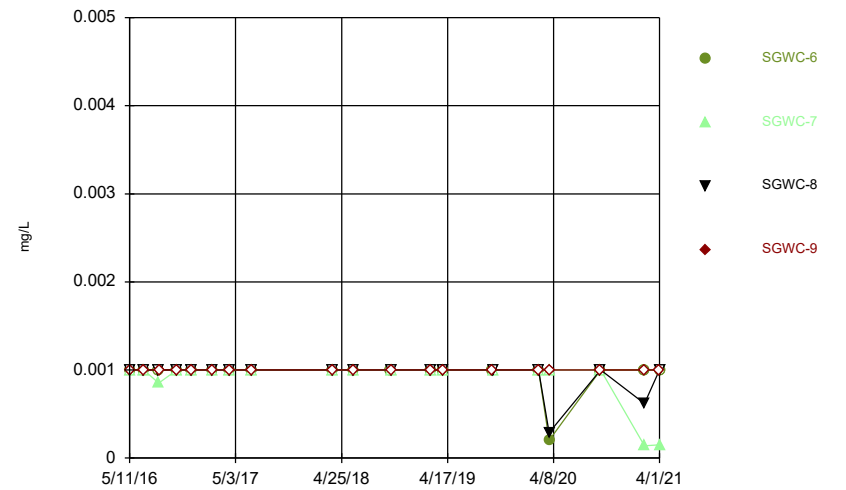
Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



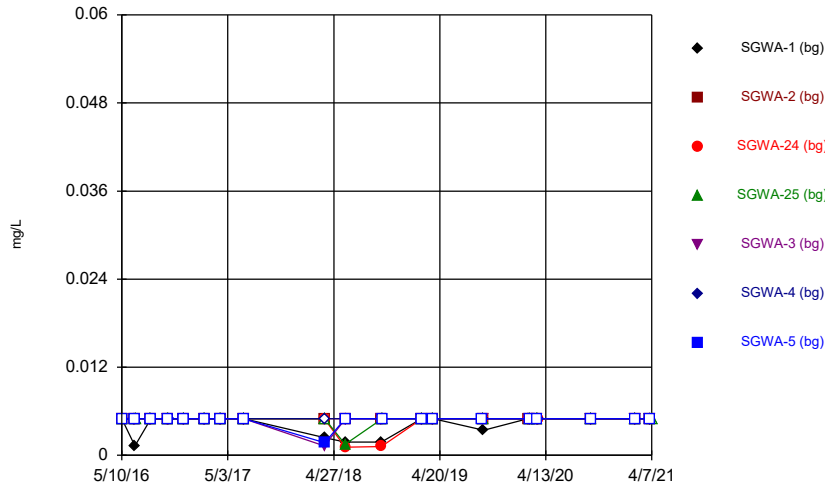
Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



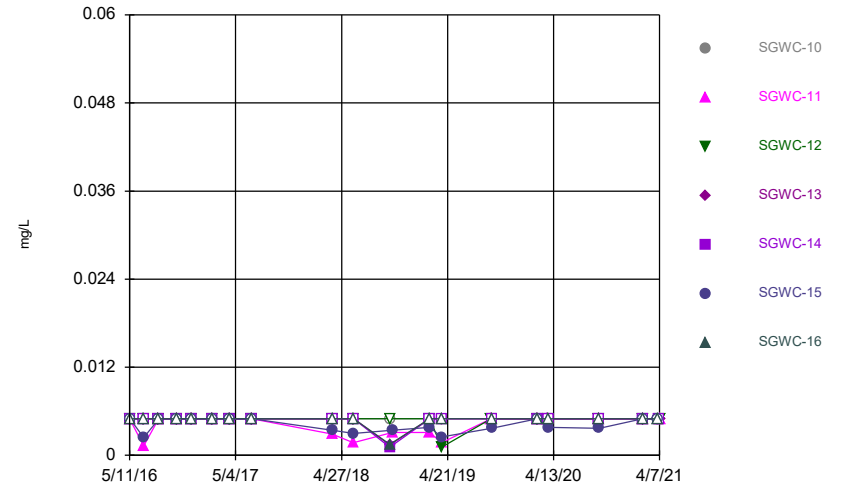
Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



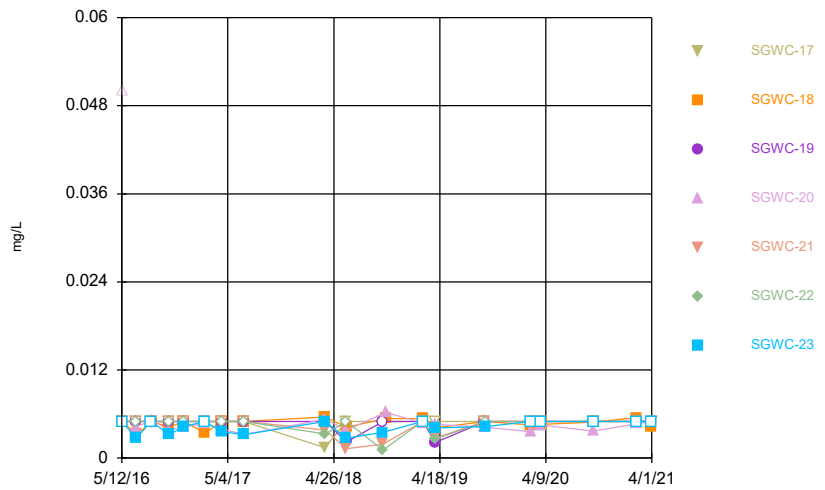
Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



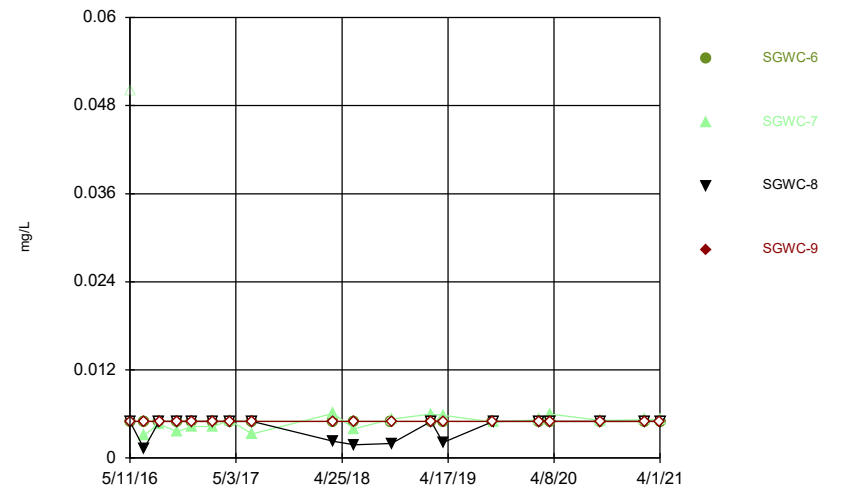
Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



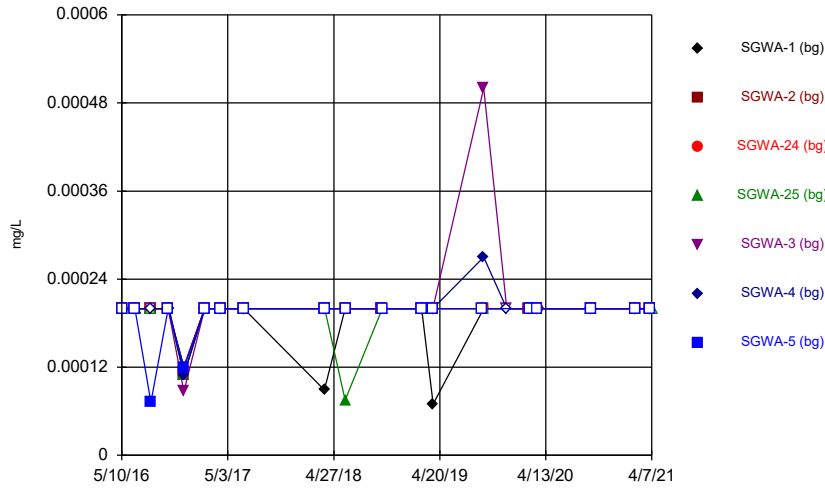
Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



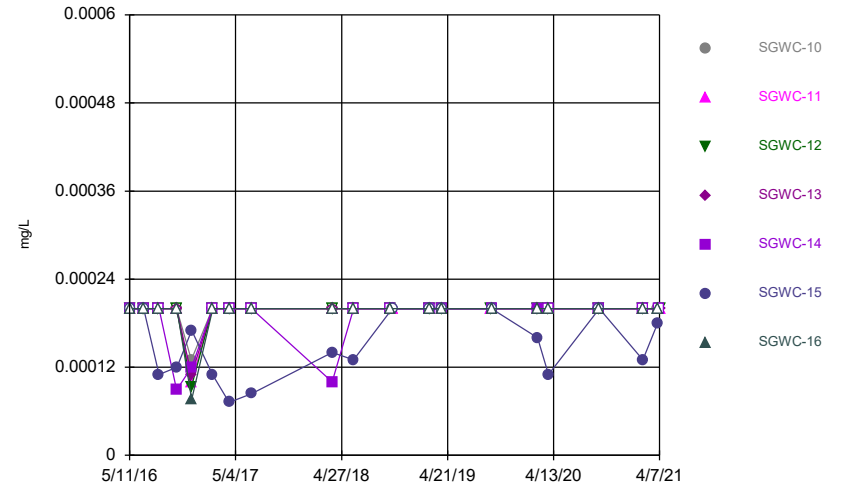
Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



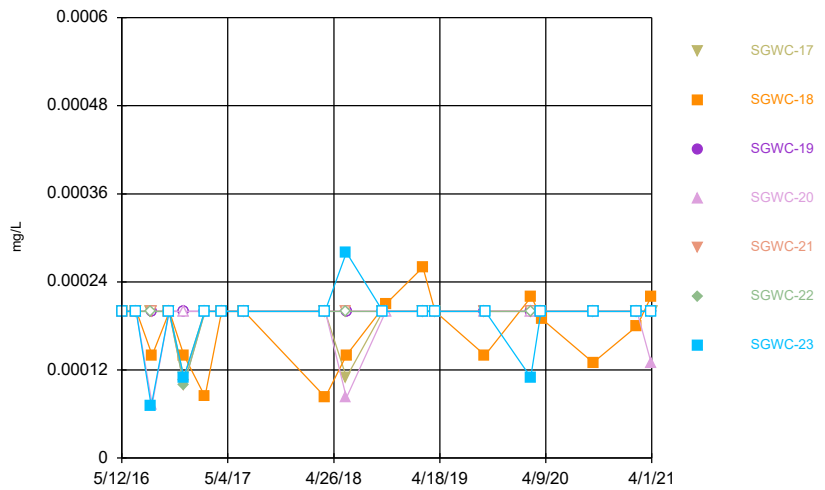
Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



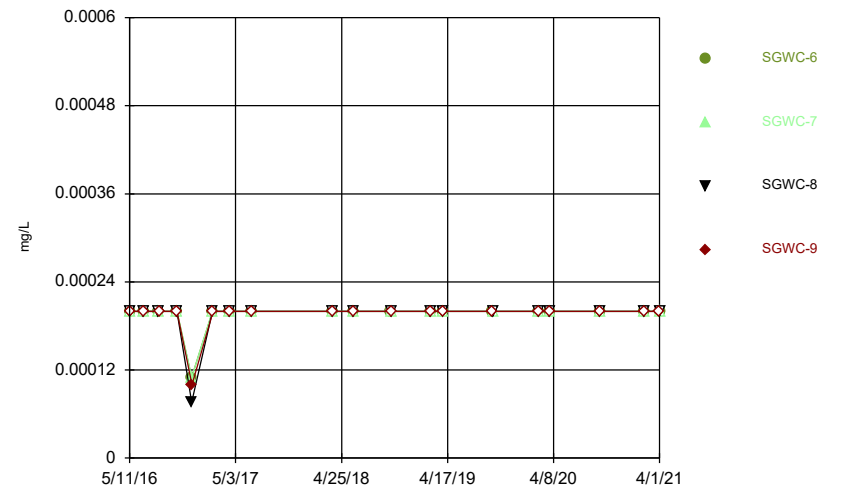
Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



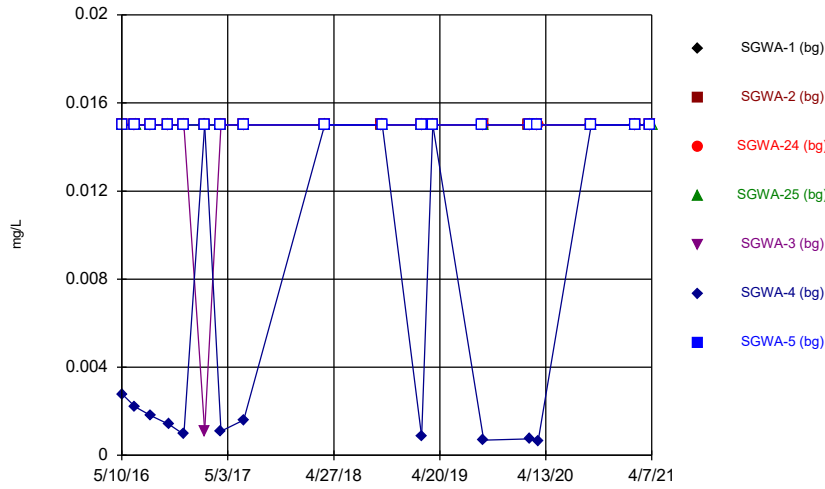
Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



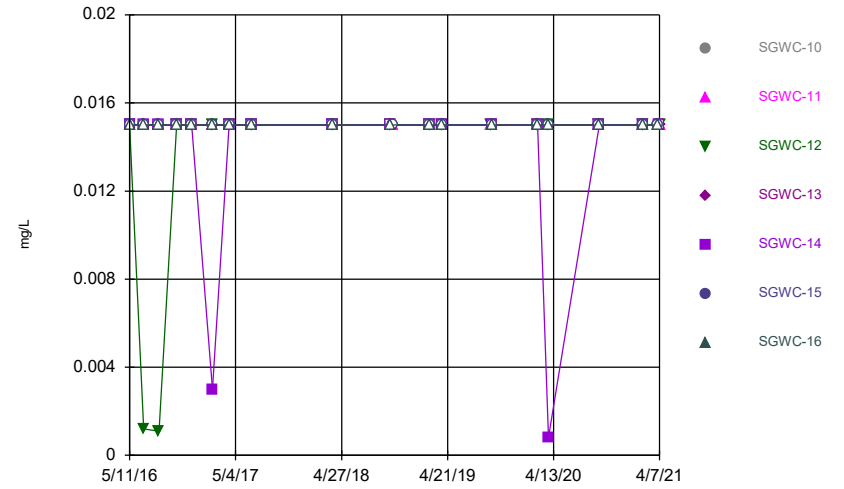
Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



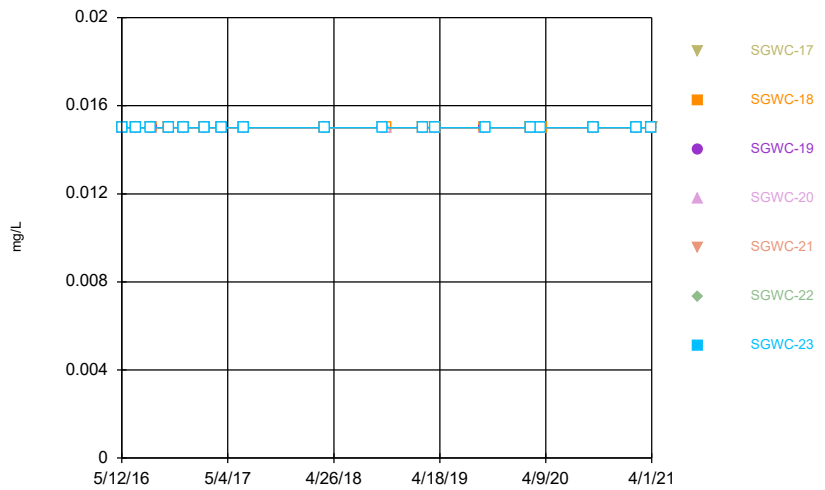
Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



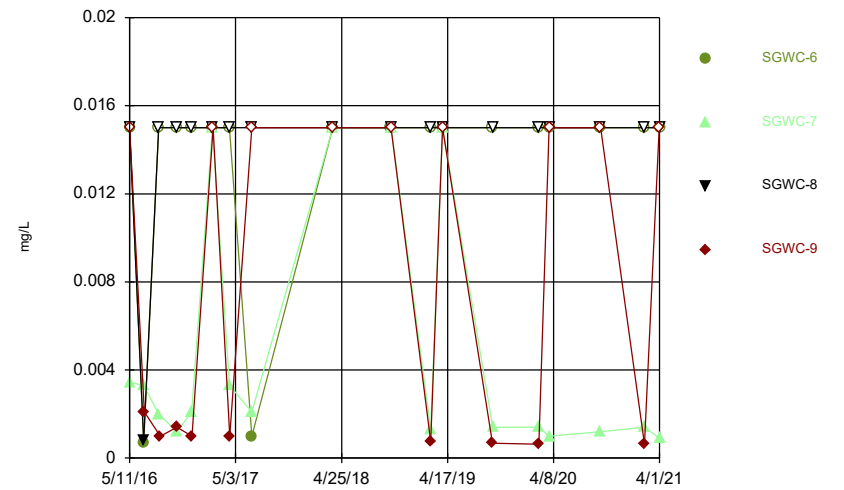
Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

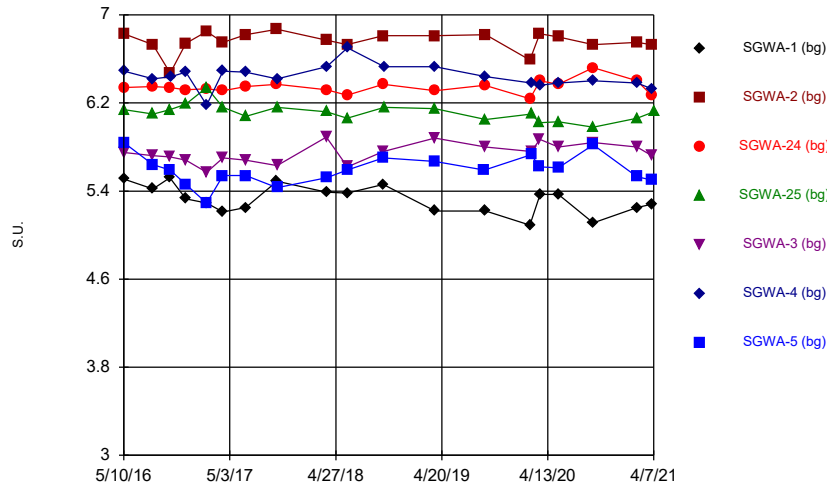
Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

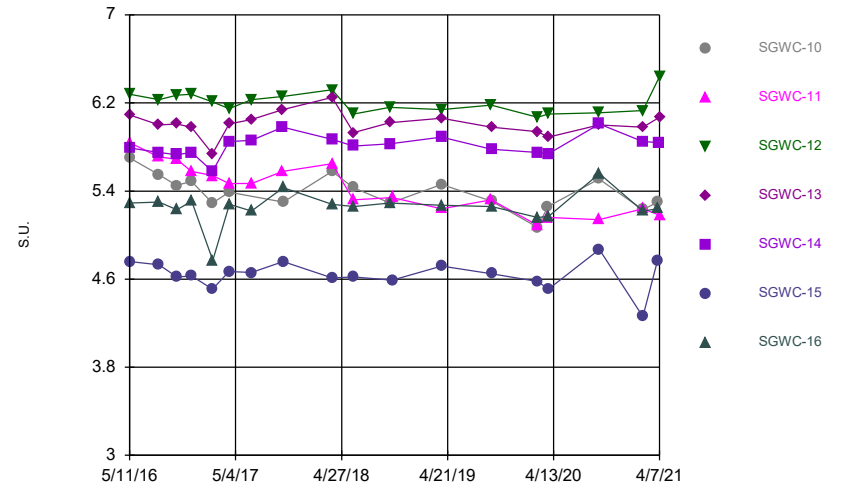


Time Series



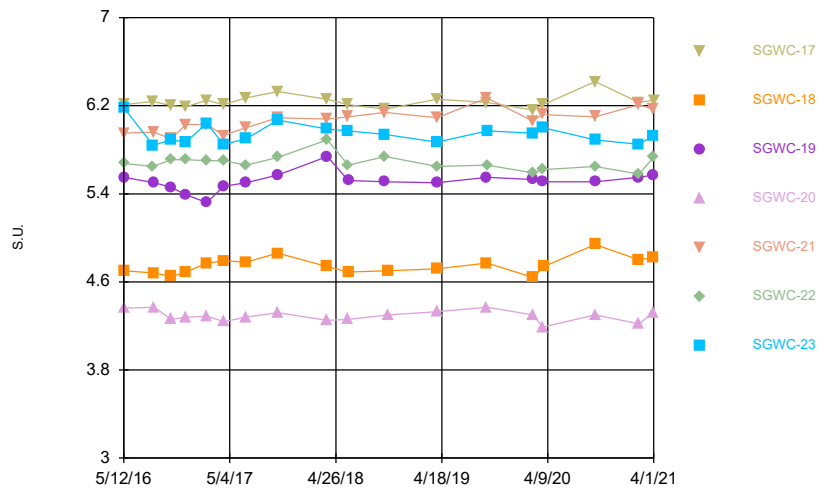
Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



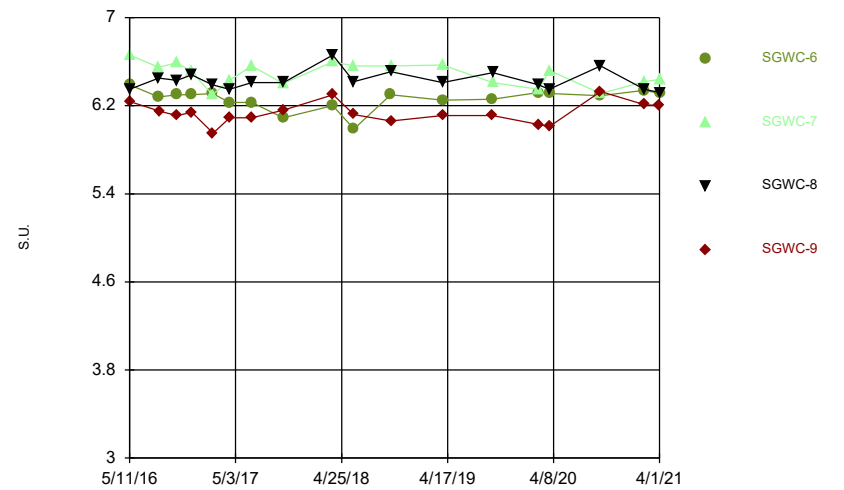
Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



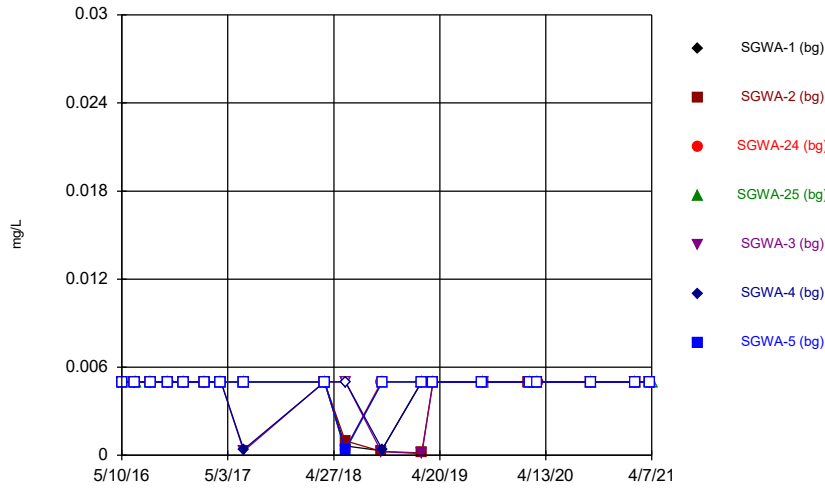
Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



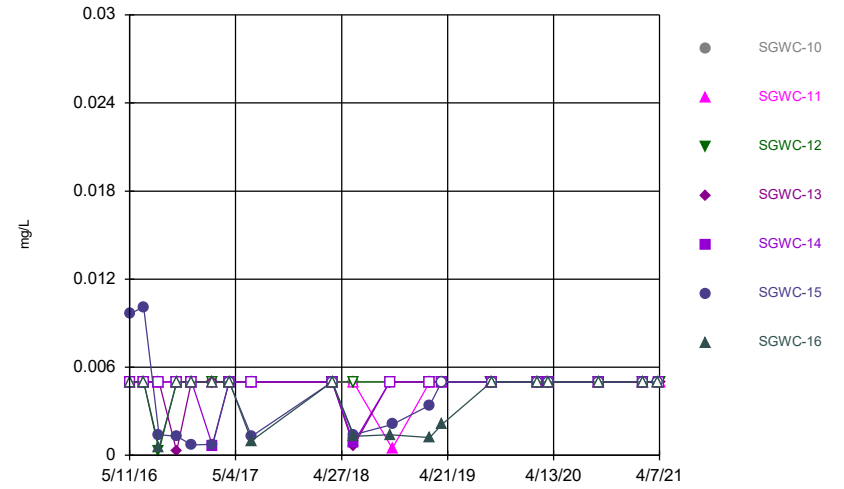
Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



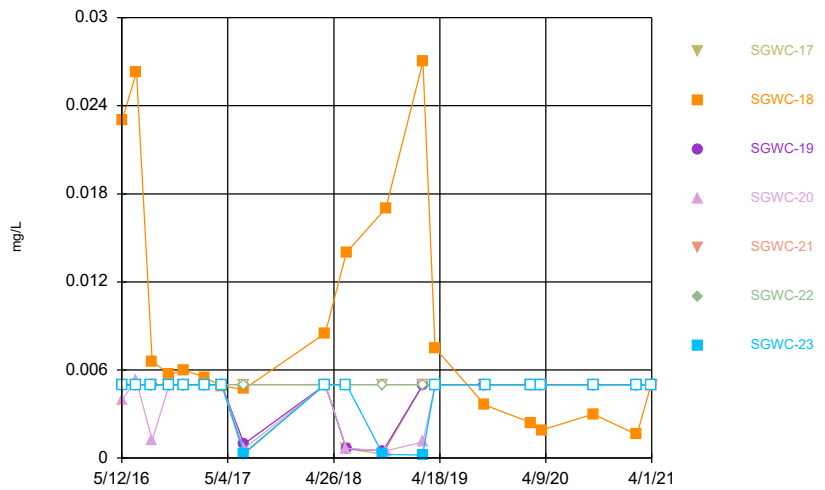
Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



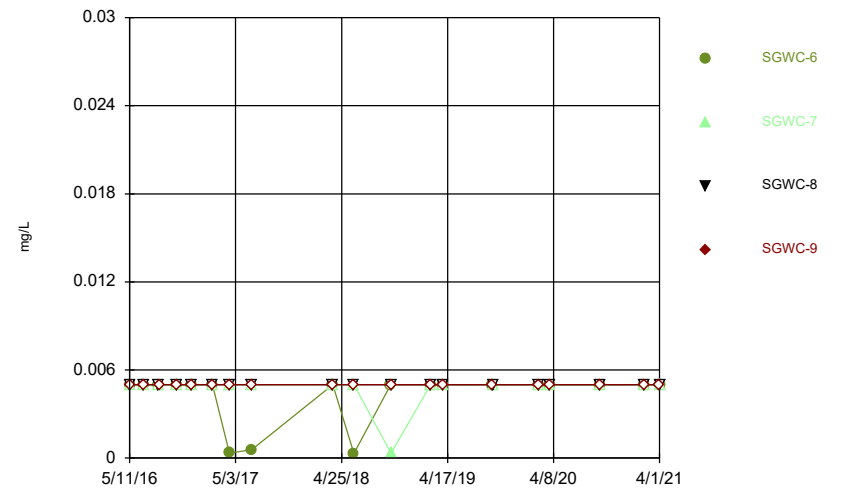
Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



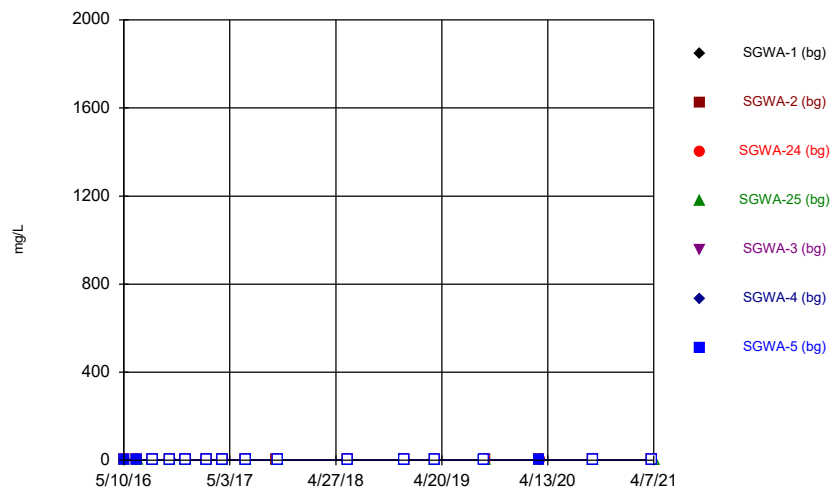
Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



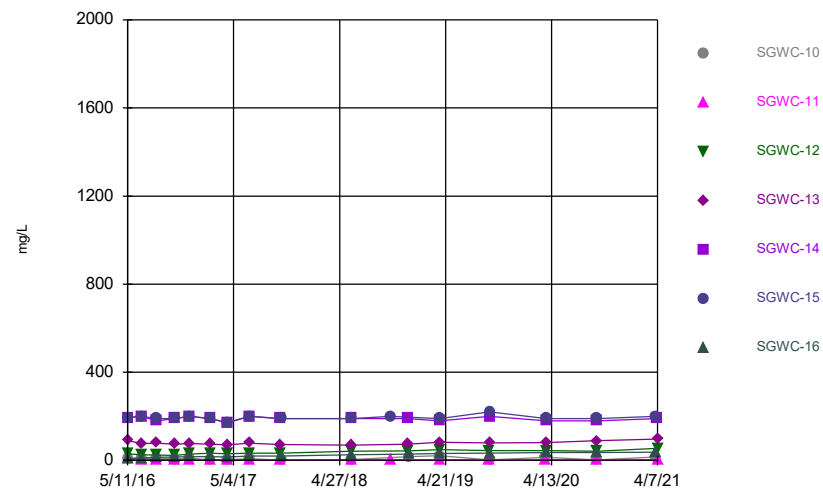
Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



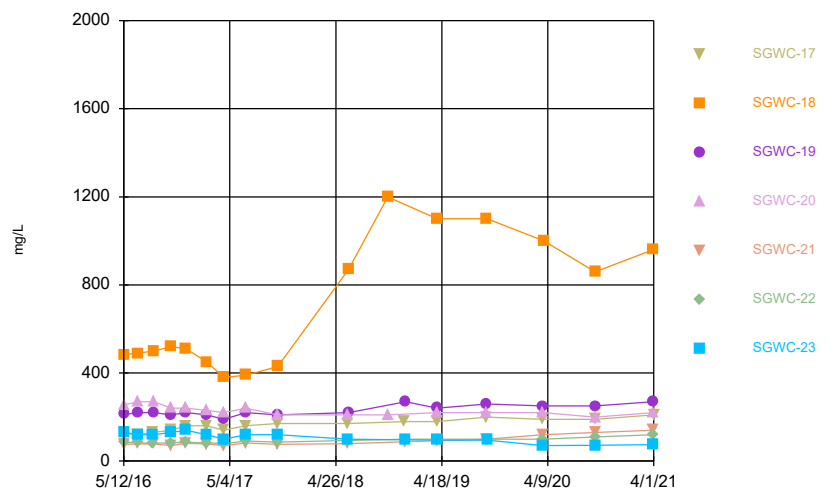
Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



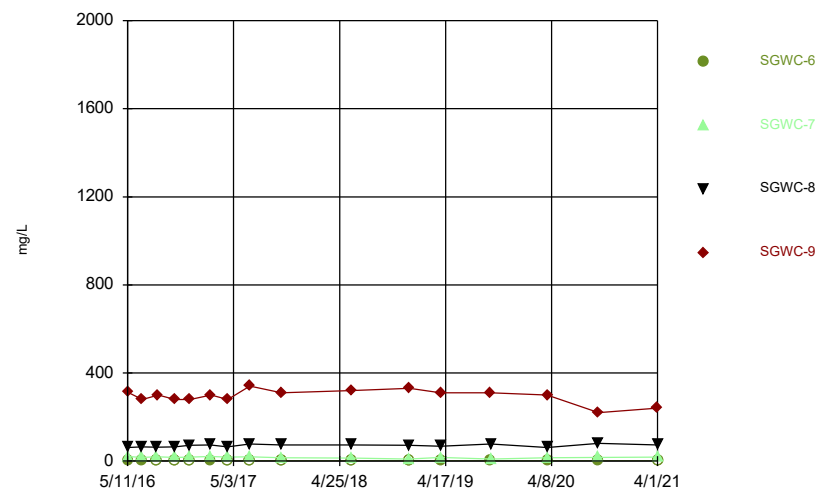
Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



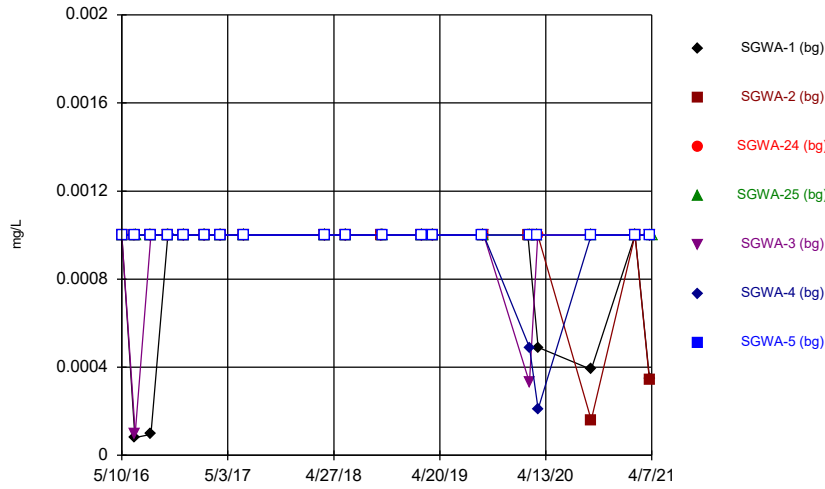
Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



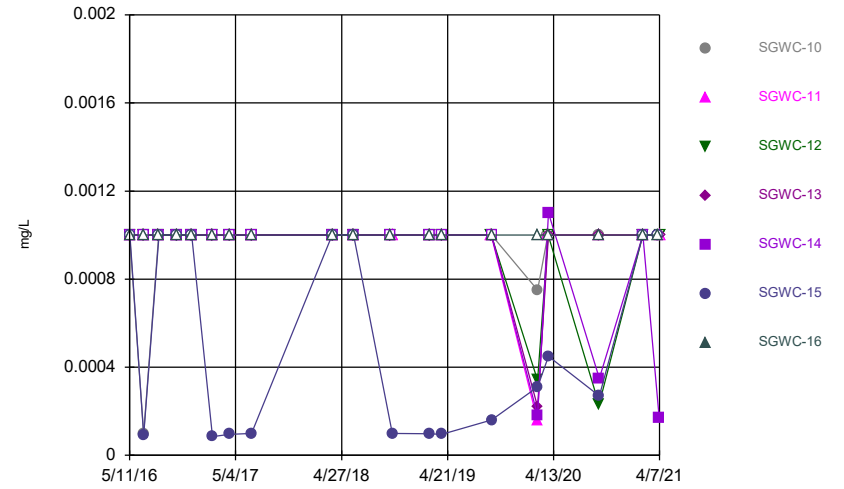
Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



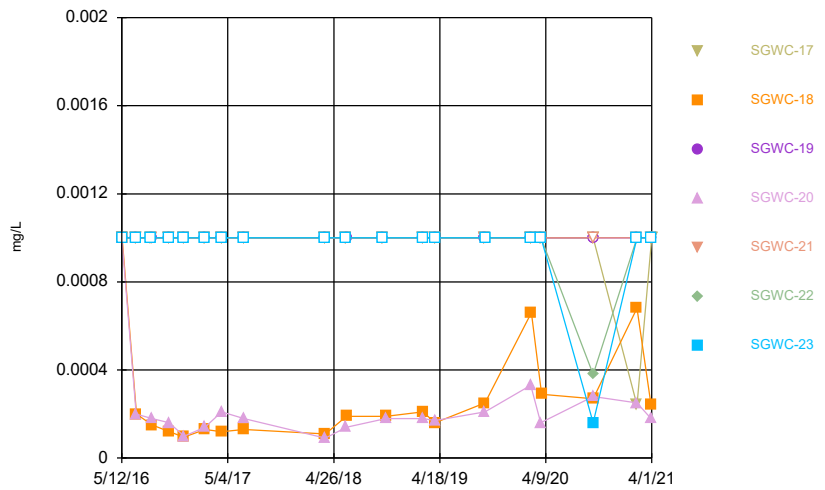
Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



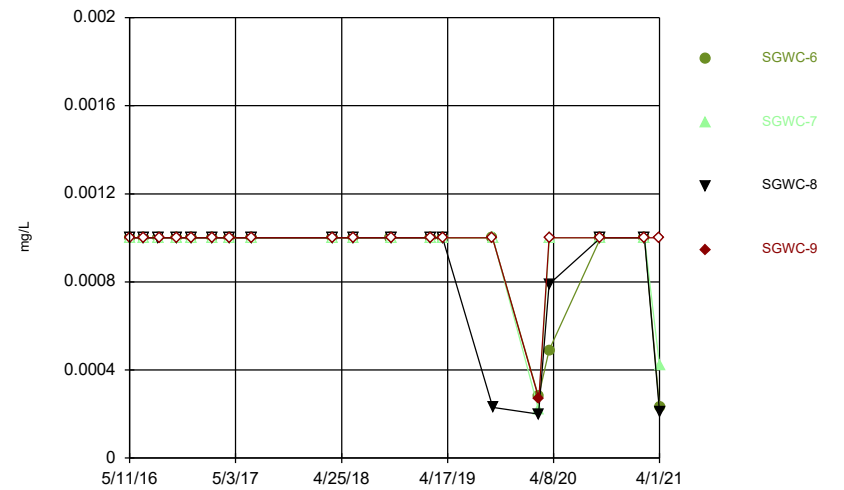
Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



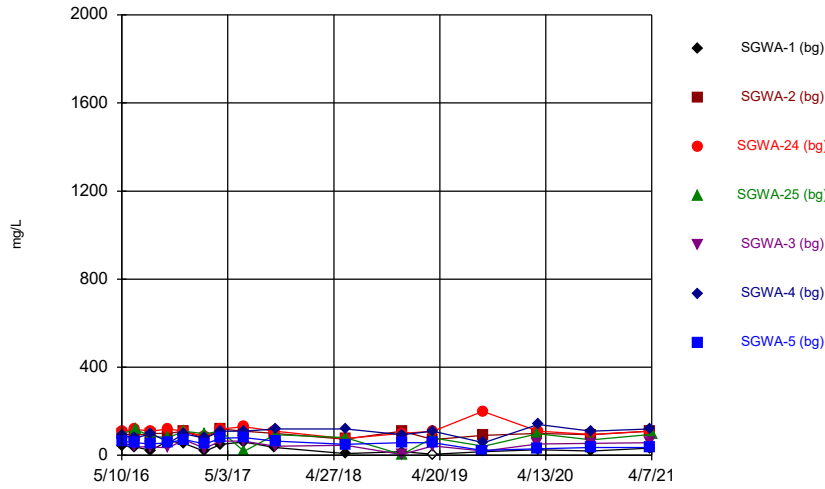
Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series



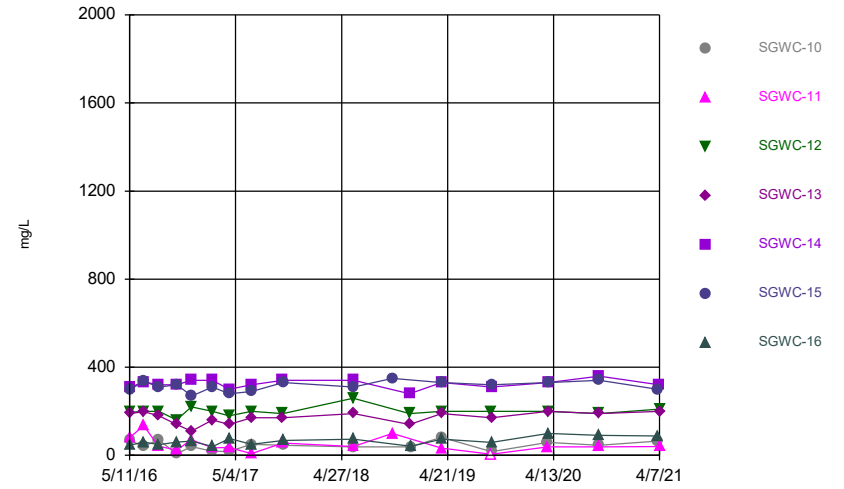
Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



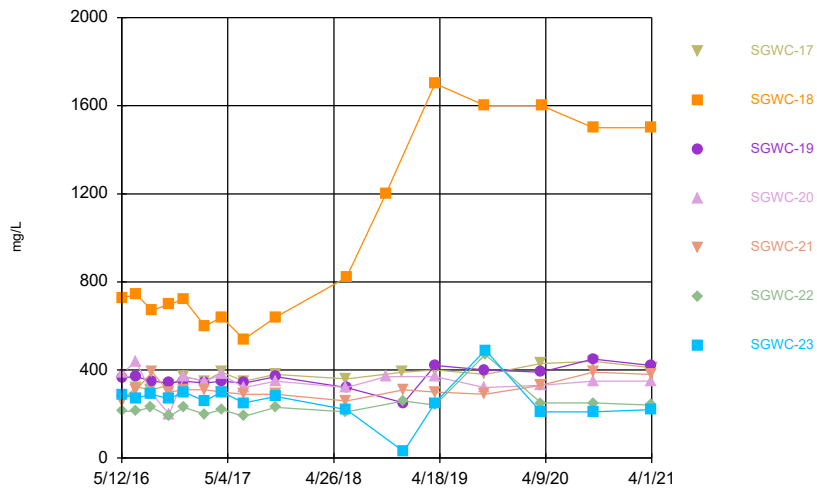
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



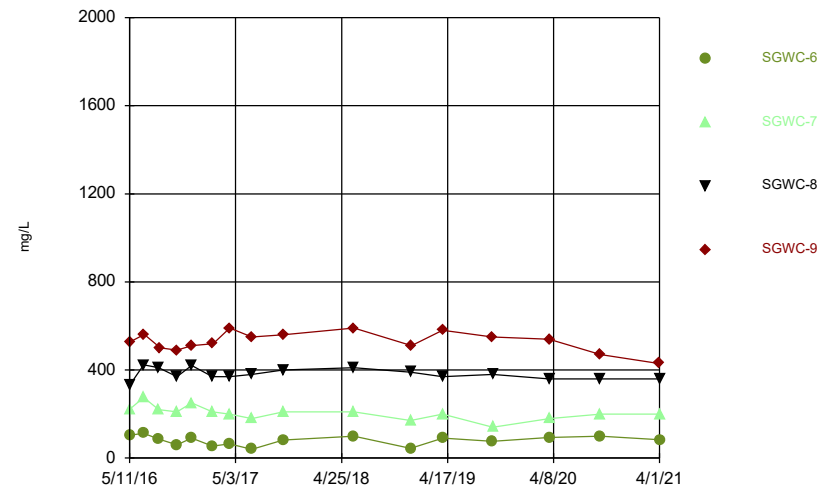
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP









# Time Series

Constituent: Antimony (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.002	<0.002	<0.002	<0.002
6/27/2016	<0.002	0.0004 (J)	<0.002	
6/29/2016				<0.002
8/17/2016	<0.002	<0.002	<0.002	
8/22/2016				<0.002
10/17/2016	<0.002		<0.002	
10/18/2016		<0.002		<0.002
12/6/2016	<0.002	<0.002	<0.002	
12/7/2016				<0.002
2/14/2017	<0.002	<0.002	<0.002	
2/16/2017				<0.002
4/12/2017	<0.002	<0.002	<0.002	
4/13/2017				<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	<0.002	
3/28/2018				<0.002
10/8/2018	<0.002			
10/9/2018		<0.002	<0.002	<0.002
2/20/2019	<0.002	<0.002	<0.002	<0.002
2/18/2020	<0.002	<0.002	<0.002	
2/19/2020				<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
5/11/2016						<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			
8/16/2016	0.00065 (J)	0.0005 (J)	<0.001		<0.001		<0.001
8/17/2016				0.0012 (J)		<0.001	
10/13/2016	<0.001		<0.001				
10/14/2016		<0.001		0.00073 (J)	<0.001		<0.001
10/17/2016						<0.001	
12/5/2016			<0.001				
12/6/2016	<0.001	<0.001		0.00075 (J)	<0.001	<0.001	<0.001
2/14/2017	0.00055 (J)	0.00046 (J)	0.00057 (J)	0.0015 (J)	<0.001	<0.001	<0.001
4/10/2017			<0.001				
4/11/2017	<0.001	<0.001		0.00072 (J)	<0.001	0.0011 (J)	<0.001
6/26/2017	0.00081 (J)	0.00089 (J)	0.0009 (J)		0.00063 (J)	0.00055 (J)	0.00079 (J)
6/27/2017				0.00095 (J)			
3/26/2018	<0.001	<0.001	<0.001		<0.001		
3/27/2018				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	
10/5/2018	<0.001	<0.001	<0.001		<0.001		
10/8/2018				<0.001		<0.001	<0.001
2/18/2019	<0.001	<0.001				<0.001	
2/19/2019			<0.001	<0.001	<0.001		<0.001
3/28/2019				0.00048 (J)	<0.001	<0.001	<0.001
3/29/2019	<0.001	<0.001	<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	
2/13/2020	<0.001	<0.001	<0.001				
2/17/2020				<0.001			<0.001
2/18/2020					<0.001	<0.001	
3/17/2020		<0.001		<0.001	<0.001		<0.001
3/18/2020	<0.001		<0.001			<0.001	
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
3/30/2021	<0.001	<0.001	<0.001				
3/31/2021					<0.001	<0.001	<0.001
4/7/2021				<0.001			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	0.00103 (J)	<0.001				
5/12/2016				<0.001	<0.001	<0.001	<0.001
6/28/2016	<0.001	0.0011 (J)	0.001 (J)	<0.001	<0.001	0.0026 (J)	<0.001
8/17/2016	<0.001	0.0011 (J)					
8/18/2016			0.00091 (J)	<0.001	<0.001	0.0015	<0.001
10/17/2016	<0.001	0.0011 (J)	<0.001	<0.001	<0.001		
10/18/2016						0.0019	<0.001
12/6/2016	<0.001	0.00072 (J)	<0.001	<0.001			
12/7/2016					<0.001	0.00079 (J)	<0.001
2/15/2017	0.0005 (J)	0.0011 (J)	0.00076 (J)	<0.001	<0.001	0.00073 (J)	
2/16/2017							<0.001
4/12/2017	<0.001	0.00076 (J)	0.00046 (J)	0.00047 (J)	0.00057 (J)	0.0009 (J)	
4/13/2017							<0.001
6/27/2017	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
6/6/2018	<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	<0.001						
10/16/2018		<0.001				<0.001	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.00075 (J)	<0.001
4/1/2019	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				
9/17/2019	<0.001			<0.001	<0.001	0.0008 (J)	<0.001
2/18/2020		<0.001					
2/19/2020	<0.001		0.00032 (J)	<0.001	<0.001	0.001	<0.001
3/25/2020	<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			
9/15/2020					<0.001	0.0014	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001
3/31/2021	<0.001					0.0012	
4/1/2021							0.00033 (J)
4/6/2021					<0.001		
4/7/2021		<0.001	<0.001	<0.001			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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	0.001045 (JD)	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 (D)			
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
2/18/2020				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						

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001	0.0009 (J)	<0.001	
6/29/2016				0.0009 (J)
8/17/2016	<0.001	0.0006 (J)	<0.001	
8/22/2016				<0.001
10/17/2016	<0.001		<0.001	
10/18/2016		<0.001		0.00074 (J)
12/6/2016	<0.001	<0.001	<0.001	
12/7/2016				0.00079 (J)
2/14/2017	0.0006 (J)	0.00059 (J)	0.0005 (J)	
2/16/2017				0.00056 (J)
4/12/2017	0.00046 (J)	0.00058 (J)	<0.001	
4/13/2017				0.00079 (J)
6/27/2017	<0.001	<0.001	0.00076 (J)	0.0011 (J)
3/27/2018	<0.001	<0.001	<0.001	
3/28/2018				<0.001
6/6/2018	<0.001	<0.001	<0.001	<0.001
10/8/2018	<0.001			
10/9/2018		0.00057 (J)	0.00053 (J)	0.00068 (J)
2/20/2019	<0.001	<0.001	<0.001	<0.001
4/1/2019		<0.001	0.001 (J)	<0.001
4/2/2019	<0.001			
9/16/2019	<0.001			<0.001
9/17/2019		<0.001	0.00035 (J)	
2/18/2020	<0.001	<0.001	<0.001	
2/19/2020				0.00039 (J)
3/25/2020	0.00044 (J)		0.00063 (J)	<0.001
3/26/2020		<0.001		
9/14/2020	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001
3/31/2021				0.00033 (J)
4/1/2021	<0.001	0.00044 (J)	<0.001	

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	0.0663	0.0409	0.0214	0.0253	0.036		0.0112
5/11/2016						0.0484	
6/23/2016	0.055	0.0342	0.0204				0.0101
6/24/2016					0.0343	0.0471	
6/27/2016				0.0253			
8/16/2016	0.048	0.034	0.018		0.029		0.0088
8/17/2016				0.021		0.046	
10/13/2016	0.061		0.022				
10/14/2016		0.041		0.023	0.034		0.01
10/17/2016						0.049	
12/5/2016			0.023				
12/6/2016	0.053	0.042		0.02	0.033	0.047	0.011
2/14/2017	0.046	0.035	0.021	0.018	0.032	0.05	0.01
4/10/2017			0.021				
4/11/2017	0.046	0.037		0.021	0.033	0.053	0.01
6/26/2017	0.048	0.037	0.022		0.036	0.058	0.011
6/27/2017				0.024			
3/26/2018	0.053	0.036	0.022		0.035		
3/27/2018				0.024		0.061	0.01
6/5/2018	0.058	0.038	0.022	0.024			0.011
6/6/2018					0.036	0.058	
10/5/2018	0.058	0.036	0.024		0.035		
10/8/2018				0.024		0.064	0.011
2/18/2019	0.046	0.035				0.057	
2/19/2019			0.019	0.022	0.033		0.0094
3/28/2019				0.022	0.036	0.061	0.0097
3/29/2019	0.044	0.039	0.021				
9/12/2019							0.012
9/13/2019			0.025				
9/16/2019	0.048	0.045		0.028	0.041	0.068	
2/13/2020	0.042	0.043	0.025				
2/17/2020				0.026			0.01
2/18/2020					0.04	0.069	
3/17/2020		0.039		0.025	0.037		0.01
3/18/2020	0.046		0.023			0.071	
9/14/2020	0.043	0.038	0.024	0.026	0.039	0.068	0.011
2/9/2021	0.043	0.037	0.023	0.025	0.035	0.065	0.01
3/30/2021	0.047	0.039	0.022				
3/31/2021					0.041	0.068	0.011
4/7/2021				0.026			

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.0294	0.038	0.0324				
5/12/2016				0.0198	0.067	0.041	0.0163
6/28/2016	0.0293	0.0363	0.0321	0.0208	0.0668	0.0435	0.0165
8/17/2016	0.029	0.033					
8/18/2016			0.03	0.022	0.06	0.043	0.017
10/17/2016	0.027	0.035	0.032	0.024	0.06		
10/18/2016						0.041	0.017
12/6/2016	0.03	0.035	0.032	0.025			
12/7/2016					0.063	0.042	0.017
2/15/2017	0.025	0.036	0.036	0.026	0.061	0.038	
2/16/2017							0.017
4/12/2017	0.028	0.038	0.037	0.029	0.062	0.038	
4/13/2017							0.019
6/27/2017	0.034	0.042	0.042	0.031	0.06	0.041	0.02
3/27/2018	0.031	0.039	0.043	0.029	0.055	0.035	0.021
6/6/2018	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	0.032						
10/16/2018		0.037 (D)				0.031 (D)	
2/20/2019	0.036	0.044	0.054	0.041	0.053	0.036	0.027
4/1/2019	0.039	0.041	0.051	0.038	0.054	0.034	
4/2/2019							0.023
9/16/2019		0.045	0.052				
9/17/2019	0.029			0.036	0.048	0.034	0.029
2/18/2020		0.044					
2/19/2020	0.027		0.053	0.033	0.047	0.031	0.029
3/25/2020	0.036	0.046					
3/26/2020			0.051				
3/27/2020				0.034	0.049	0.028	0.027
9/14/2020	0.027	0.042	0.057	0.039			
9/15/2020					0.05	0.031	0.031
2/9/2021	0.028	0.043	0.058	0.036	0.046	0.029	0.03
3/31/2021	0.036					0.028	
4/1/2021							0.029
4/6/2021					0.048		
4/7/2021		0.046	0.058	0.037			

# Time Series

Constituent: Barium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (J)		0.0485	0.0466	0.0933	0.0991	0.0957
6/30/2016		0.0145 (J)					
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	0.021 (D)	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 (D)		0.027 (D)			
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
2/18/2020				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						



# Time Series

Constituent: Barium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	0.0933	0.295	0.251	0.0494
6/27/2016	0.101	0.353	0.205	
6/29/2016				0.0535
8/17/2016	0.094	0.29	0.16	
8/22/2016				0.049
10/17/2016	0.11		0.17	
10/18/2016		0.29		0.049
12/6/2016	0.11	0.31	0.16	
12/7/2016				0.048
2/14/2017	0.056	0.3	0.18	
2/16/2017				0.056
4/12/2017	0.048	0.3	0.18	
4/13/2017				0.063
6/27/2017	0.058	0.36	0.18	0.067
3/27/2018	0.021	0.27	0.17	
3/28/2018				0.069
6/6/2018	0.014	0.24	0.18	0.069
10/8/2018	0.069			
10/9/2018		0.28	0.17	0.077
2/20/2019	0.052	0.28	0.2	0.077
4/1/2019		0.24	0.19	0.071
4/2/2019	0.069			
9/16/2019	0.13			0.077
9/17/2019		0.23	0.19	
2/18/2020	0.083	0.25	0.17	
2/19/2020				0.065
3/25/2020	0.12		0.19	0.066
3/26/2020		0.23		
9/14/2020	0.14	0.27	0.18	0.059
2/9/2021	0.12	0.26	0.18	0.054
3/31/2021				0.061
4/1/2021	0.12	0.26	0.17	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
5/11/2016						<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			
8/16/2016	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
8/17/2016				<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	
12/5/2016			<0.0025				
12/6/2016	<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
4/10/2017			<0.0025				
4/11/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
6/26/2017	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
6/27/2017				<0.0025			
3/26/2018	<0.0025	<0.0025	<0.0025		<0.0025		
3/27/2018				<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	
10/5/2018	<0.0025	<0.0025	<0.0025		<0.0025		
10/8/2018				<0.0025		<0.0025	<0.0025
2/18/2019	<0.0025	<0.0025				<0.0025	
2/19/2019			<0.0025	<0.0025	<0.0025		<0.0025
3/28/2019				<0.0025	<0.0025	<0.0025	<0.0025
3/29/2019	<0.0025	<0.0025	<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	
2/13/2020	0.00031 (J)	<0.0025	<0.0025				
2/17/2020				<0.0025			<0.0025
2/18/2020					<0.0025	<0.0025	
3/17/2020		<0.0025		<0.0025	<0.0025		<0.0025
3/18/2020	0.00029 (J)		<0.0025			0.00018 (J)	
9/14/2020	0.00051 (J)	<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
3/30/2021	0.00025 (J)	<0.0025	<0.0025				
3/31/2021					<0.0025	<0.0025	<0.0025
4/7/2021				<0.0025			

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0025	<0.0025	<0.0025				
5/12/2016				<0.0025	<0.0025	<0.0025	<0.0025
6/28/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
8/17/2016	<0.0025	<0.0025					
8/18/2016			<0.0025	<0.0025	<0.0025	0.00037 (J)	<0.0025
10/17/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/18/2016						<0.0025	<0.0025
12/6/2016	<0.0025	<0.0025	<0.0025	<0.0025			
12/7/2016					<0.0025	<0.0025	<0.0025
2/15/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00037 (J)	
2/16/2017							<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				
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						
10/16/2018		<0.0025 (D)				0.0004 (JD)	
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	<0.0025	0.00034 (J)	
4/2/2019							<0.0025
9/16/2019		<0.0025	<0.0025				
9/17/2019	<0.0025			<0.0025	<0.0025	0.00046 (J)	<0.0025
2/18/2020		<0.0025					
2/19/2020	0.00026 (J)		<0.0025	<0.0025	<0.0025	0.00045 (J)	<0.0025
3/25/2020	<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			
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)	<0.0025
3/31/2021	<0.0025					0.00045 (J)	
4/1/2021							<0.0025
4/6/2021					<0.0025		
4/7/2021		<0.0025	<0.0025	<0.0025			

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	<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 (D)		0.00079 (JD)			
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
2/18/2020				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						

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.0025	<0.0025	<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025	
6/29/2016				<0.0025
8/17/2016	<0.0025	<0.0025	<0.0025	
8/22/2016				<0.0025
10/17/2016	<0.0025		<0.0025	
10/18/2016		<0.0025		<0.0025
12/6/2016	<0.0025	<0.0025	<0.0025	
12/7/2016				<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025	
2/16/2017				<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025	
4/13/2017				<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025	
3/28/2018				<0.0025
6/6/2018	<0.0025	<0.0025	<0.0025	<0.0025
10/8/2018	<0.0025			
10/9/2018		<0.0025	<0.0025	<0.0025
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019		<0.0025	<0.0025	<0.0025
4/2/2019	<0.0025			
9/16/2019	<0.0025			<0.0025
9/17/2019		<0.0025	0.00019 (J)	
2/18/2020	<0.0025	<0.0025	<0.0025	
2/19/2020				<0.0025
3/25/2020	0.0002 (J)		0.0003 (J)	<0.0025
3/26/2020		<0.0025		
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025
3/31/2021				<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:06 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08
5/11/2016						<0.08	
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)			
8/16/2016	<0.08	<0.08	<0.08		<0.08		<0.08
8/17/2016				<0.08		<0.08	
10/13/2016	<0.08		<0.08				
10/14/2016		<0.08		<0.08	<0.08		<0.08
10/17/2016						<0.08	
12/5/2016			<0.08				
12/6/2016	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4/10/2017			<0.08				
4/11/2017	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08
6/26/2017	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
6/27/2017				<0.08			
10/10/2017	<0.08	<0.08	<0.08				
10/11/2017				<0.08	<0.08	<0.08	<0.08
6/5/2018	<0.08	<0.08	<0.08	<0.08			<0.08
6/6/2018					<0.08	<0.08	
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/28/2019				<0.08	<0.08	<0.08	<0.08
3/29/2019	<0.08	<0.08	<0.08				
9/12/2019							<0.08
9/13/2019			<0.08				
9/16/2019	0.13	0.089		<0.08	0.05	<0.08	
3/17/2020		<0.08		<0.08	<0.08		<0.08
3/18/2020	<0.08		<0.08			<0.08	
9/14/2020	<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
4/7/2021				<0.08			

# Time Series

Constituent: Boron, total (mg/L)    Analysis Run 5/26/2021 9:07 PM    View: Appendix III & IV  
 Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.0275 (J)	0.242	<0.08				
5/12/2016				0.599	1.38	1.57	0.562
6/28/2016	0.035 (J)	0.245	0.0054 (J)	0.52	1.29	1.36	0.546
8/17/2016	0.028 (J)	0.26					
8/18/2016			<0.08	0.51	1.3	1.5	0.54
10/17/2016	0.032 (J)	0.25	<0.08	0.58	1.6		
10/18/2016						1.9	0.55
12/6/2016	<0.08	0.27	<0.08	0.5			
12/7/2016					1.5	1.5	0.56
2/15/2017	0.035 (J)	0.28	<0.08	0.5	1.5	1.5	
2/16/2017							0.58
4/12/2017	0.052	0.29	<0.08	0.47	1.4	1.7	
4/13/2017							0.56
6/27/2017	<0.08	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	0.049 (J)					1.6	0.57
6/6/2018	0.07	0.37	<0.08				
6/7/2018				0.45	1.6	1.7	0.59
10/16/2018		0.35 (D)				1.5 (D)	
12/14/2018			<0.08	0.47	1.4		
12/17/2018	0.098						0.55
4/1/2019	0.16	0.46	<0.08	0.57	1.7	1.6	
4/2/2019							0.53
9/16/2019		0.39	<0.08				
9/17/2019	0.077			0.43	1.4	1.4	0.55
3/25/2020	0.12	0.45					
3/26/2020			<0.08				
3/27/2020				0.49	1.5	1.4	0.59
9/14/2020	0.082	0.43	<0.08	0.49			
9/15/2020					1.5	1.4	0.57
3/31/2021	0.15					1.4	
4/1/2021							0.55
4/6/2021					1.6		
4/7/2021		0.68	<0.08	0.59			

# Time Series

Constituent: Boron, total (mg/L)    Analysis Run 5/26/2021 9:07 PM    View: Appendix III & IV  
 Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (J)		1.67	1.88	1.25	0.373 (J)	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 (D)	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 (J)	
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 (D)		2.3 (D)			
12/14/2018	0.44						
12/17/2018			1.8		1.2	0.4	0.6
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
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						



# Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.08	0.0359 (J)	0.0678 (J)	1.54
6/27/2016	0.0051 (J)	0.0354 (J)	0.0767 (J)	
6/29/2016				1.52
8/17/2016	<0.08	0.039 (J)	0.067	
8/22/2016				1.6
10/17/2016	<0.08		0.059	
10/18/2016		0.039 (J)		2.4
12/6/2016	<0.08	0.03 (J)	0.054	
12/7/2016				1.6
2/14/2017	<0.08	0.031 (J)	0.063	
2/16/2017				1.6
4/12/2017	<0.08	0.039 (J)	0.068	
4/13/2017				1.7
6/27/2017	<0.08	0.028 (J)	0.067	1.8
10/11/2017	<0.08	0.026 (J)		
10/12/2017			0.075	1.8
6/6/2018	<0.08	<0.08	0.059	1.8
12/14/2018	<0.08	<0.08	0.064	
12/17/2018				1.6
4/1/2019		0.025 (J)	0.076	1.7
4/2/2019	<0.08			
9/16/2019	0.04 (J)			1.6
9/17/2019		<0.08	0.11	
3/25/2020	<0.08		0.089	1.6
3/26/2020		0.055 (J)		
9/14/2020	<0.08	<0.08	0.1	1.7
3/31/2021				1.5
4/1/2021	<0.08	0.069 (J)	0.14	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	0.000156 (J)	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
5/11/2016						<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			
8/16/2016	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025
8/17/2016				<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	
12/5/2016			<0.0025				
12/6/2016	<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
4/10/2017			<0.0025				
4/11/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	0.0011 (J)
6/26/2017	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
6/27/2017				<0.0025			
3/26/2018	<0.0025	<0.0025	<0.0025		<0.0025		
3/27/2018				<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
2/18/2019	<0.0025	<0.0025				<0.0025	
2/19/2019			<0.0025	<0.0025	<0.0025		<0.0025
3/28/2019				<0.0025	<0.0025	<0.0025	<0.0025
3/29/2019	<0.0025	<0.0025	<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	
2/13/2020	<0.0025	<0.0025	<0.0025				
2/17/2020				<0.0025			<0.0025
2/18/2020					<0.0025	<0.0025	
3/17/2020		<0.0025		<0.0025	<0.0025		<0.0025
3/18/2020	<0.0025		<0.0025			<0.0025	
9/14/2020	<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
3/30/2021	<0.0025	<0.0025	<0.0025				
3/31/2021					<0.0025	<0.0025	<0.0025
4/7/2021				<0.0025			

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0025	<0.0025	<0.0025				
5/12/2016				<0.0025	0.000136 (J)	0.000265 (J)	<0.0025
6/28/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
8/17/2016	<0.0025	<0.0025					
8/18/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/18/2016						<0.0025	<0.0025
12/6/2016	<0.0025	<0.0025	<0.0025	<0.0025			
12/7/2016					<0.0025	<0.0025	<0.0025
2/15/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00044 (J)	
2/16/2017							<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
4/13/2017							<0.0025
6/27/2017	<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
10/8/2018			<0.0025	<0.0025	<0.0025		<0.0025
10/9/2018	<0.0025						
10/16/2018		<0.0025				<0.0025	
2/20/2019	<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	
4/2/2019							<0.0025
9/16/2019		<0.0025	<0.0025				
9/17/2019	<0.0025			<0.0025	<0.0025	0.00034 (J)	<0.0025
2/18/2020		<0.0025					
2/19/2020	<0.0025		<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
3/25/2020	<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			
9/15/2020					<0.0025	0.00032 (J)	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
3/31/2021	<0.0025					0.00027 (J)	
4/1/2021							<0.0025
4/6/2021					<0.0025		
4/7/2021		<0.0025	<0.0025	<0.0025			

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	<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			
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
2/18/2020				<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						

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.0025	<0.0025	<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025	
6/29/2016				<0.0025
8/17/2016	<0.0025	<0.0025	<0.0025	
8/22/2016				<0.0025
10/17/2016	<0.0025		<0.0025	
10/18/2016		<0.0025		<0.0025
12/6/2016	<0.0025	<0.0025	<0.0025	
12/7/2016				<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025	
2/16/2017				<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025	
4/13/2017				<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025	
3/28/2018				<0.0025
10/8/2018	<0.0025			
10/9/2018		<0.0025	<0.0025	<0.0025
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019		<0.0025	<0.0025	<0.0025
4/2/2019	<0.0025			
9/16/2019	<0.0025			<0.0025
9/17/2019		<0.0025	<0.0025	
2/18/2020	<0.0025	<0.0025	<0.0025	
2/19/2020				<0.0025
3/25/2020	0.00022 (J)		0.00031 (J)	<0.0025
3/26/2020		<0.0025		
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025
3/31/2021				<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	3	10.1	12.3	11.4	6.22		2.64
5/11/2016						14.4	
6/23/2016	2.42	8.45	11.3				1.65
6/24/2016					5.55	14.2	
6/27/2016				9.16			
8/16/2016	2.1	9.4	11		5		1.3
8/17/2016				9.6		15	
10/13/2016	2.7		12				
10/14/2016		10		11	5.4		1.4
10/17/2016						16	
12/5/2016			12				
12/6/2016	2.1	10		11	4.8	15	1.4
2/14/2017	1.8	11	13	12	4.6	17	1.4
4/10/2017			12				
4/11/2017	1.8	10		11	5	17	1.4
6/26/2017	1.7 (D)	10 (D)	13 (D)		4.9 (D)	18 (D)	1.5 (D)
6/27/2017				9.5 (D)			
10/10/2017	2.3	11	14				
10/11/2017				11	5.5	19	1.6
6/5/2018	2.6	11	13	9.7			1.5
6/6/2018					4.1	18	
12/13/2018	1.7	10	12	9.4	4.3	18	1.4
3/28/2019				8.7	4.8	17	1.4
3/29/2019	2	11	12				
9/12/2019							1.6
9/13/2019			14				
9/16/2019	1.7	12		9.5	5.9	18	
3/17/2020		11		8.8	5.3		1.7
3/18/2020	1.8		14			18	
9/14/2020	1.6	11	14	9.1	5.7	17	1.6
3/30/2021	2.2	12	15				
3/31/2021					5.5	17	1.6
4/7/2021				9.5			

# Time Series

Constituent: Calcium, total (mg/L)    Analysis Run 5/26/2021 9:07 PM    View: Appendix III & IV  
 Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	4.14	2.91	23.1				
5/12/2016				16.6	37.7	14.5	0.75
6/28/2016	3.13	2.19	21	14.4	35.8	14.7	0.768
8/17/2016	4.1	1.9					
8/18/2016			20	15	37	15	0.7
10/17/2016	4.2	2	21	15	37		
10/18/2016						16	0.75
12/6/2016	4.3	1.9	21	14			
12/7/2016					38	15	0.73
2/15/2017	1.5	1.9	23	17	45	17	
2/16/2017							0.81
4/12/2017	2.2	1.9	23	16	39	14	
4/13/2017							0.88
6/27/2017	3.1 (D)	1.9 (D)	22 (D)	15 (D)	38 (D)	16 (D)	0.76 (D)
10/11/2017		2	23	16	44		
10/12/2017	1.2					17	1.1
6/6/2018	1.2	1.8	22				
6/7/2018				15	44	16	0.84
10/16/2018		1.8 (D)				16 (D)	
12/14/2018			21	16	37		
12/17/2018	4						0.94
4/1/2019	4.2	1.7	20	17	39	16	
4/2/2019							0.92
9/16/2019		1.9	23				
9/17/2019	0.79			17	38	17	1
3/25/2020	2.9	2					
3/26/2020			22				
3/27/2020				18	41	17	1.5
9/14/2020	0.75	1.8	22	19			
9/15/2020					40	17	1.1
3/31/2021	2.3					17	
4/1/2021							1.2
4/6/2021					42		
4/7/2021		1.9	23	19			

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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	38.5 (D)	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 (D)						
6/28/2017		36 (D)	36 (D)	15 (D)	29 (D)	25 (D)	27 (D)
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 (D)		12 (D)			
12/14/2018	46						
12/17/2018			42		29	28	24
4/2/2019	46	89	38	14	27	26	23
9/17/2019	51	87	44	14	30		
9/18/2019						27	26
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						



# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	8.7	27.2	47.6	53.1
6/27/2016	7.48	27.9	47	
6/29/2016				52.6
8/17/2016	8	23	45	
8/22/2016				57
10/17/2016	8.6		47	
10/18/2016		24		53
12/6/2016	8.2	23	45	
12/7/2016				47
2/14/2017	7.2	24	49	
2/16/2017				55
4/12/2017	6.7	25	50	
4/13/2017				56
6/27/2017	6.2 (D)	23 (D)	50 (D)	53 (D)
10/11/2017	6.5	22		
10/12/2017			51	55
6/6/2018	4.2	19	51	54
12/14/2018	6.5	16	46	
12/17/2018				55
4/1/2019		18	45	50
4/2/2019	6.7			
9/16/2019	8.9			56
9/17/2019		16	52	
3/25/2020	11		48	55
3/26/2020		21		
9/14/2020	10	20	49	45
3/31/2021				47
4/1/2021	11	22	52	

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	1.9	1.51	1.94	2.77	3.45		1.98
5/11/2016						1.93	
6/23/2016	2.2	1.8	2.2				2.1
6/24/2016					3.5	1.8	
6/27/2016				2.9			
8/16/2016	2.1	1.5	2		3.4		1.8
8/17/2016				2.4		1.4	
10/13/2016	2		1.9				
10/14/2016		1.4		2.1	3.1		1.8
10/17/2016						1.2	
12/5/2016			1.9				
12/6/2016	2.2	1.5		1.7	3	1.3	1.8
2/14/2017	2	1.5	1.9	1.5	2.4	1.3	1.8
4/10/2017			1.8				
4/11/2017	1.8	1.3		1.7	2.5	1.2	1.7
6/26/2017	1.9	1.4	1.9		2.6	1.2	1.7
6/27/2017				2.2			
10/10/2017	1.8	1.3	1.8				
10/11/2017				1.7	2.4	1.1	1.6
6/5/2018	1.7	1.3	1.9	2			1.6
6/6/2018					2	1.1	
12/13/2018	1.7	1.3	2	1.9	2	1.2	1.7
3/28/2019				2.2	2	1.2	1.7
3/29/2019	1.5	1.2	1.8				
9/12/2019							1.5
9/13/2019			1.7				
9/16/2019	1.8	1.3		1.9	2.2	1.2	
3/17/2020		1.6		2.4	2.1		1.9
3/18/2020	2		2.4			1.5	
9/14/2020	2.1	1.5	2.5	2.7	2.5	1.5	1.9
3/30/2021	2.3	1.6	2.5				
3/31/2021					2.3	1.6	2.1
4/7/2021				2.3			

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	9.53	8.87	9.04				
5/12/2016				6.29	11.1	9.47	8.56
6/28/2016	9.1	8.3	8.8	5.4	10	9.8	7.8
8/17/2016	9.4	8.6					
8/18/2016			9.3	5.8	11	10	8.5
10/17/2016	8.9	7.9	8.3	5.4	11		
10/18/2016						9.4	8
12/6/2016	8.9	7.9	8.9	5.6			
12/7/2016					11	9.8	8
2/15/2017	9	7.2	8.7	5.4	11	9.8	
2/16/2017							7.7
4/12/2017	8.5	7.5	8.6	5.6	10	9.2	
4/13/2017							7.5
6/27/2017	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	8.5					9.2	7.6
6/6/2018	8.6	7.5	8.8				
6/7/2018				6.2	10	9.3	7.7
10/16/2018		7.8 (D)				10 (D)	
12/14/2018			9.1	7.5	10		
12/17/2018	8.6						8.1
4/1/2019	7.8	7.4	9	7.7	9.9	9.2	
4/2/2019							8.2
9/16/2019		7.9	9.3				
9/17/2019	9.7			8.4	11	10	8.4
3/25/2020	8.8	9					
3/26/2020			9.4				
3/27/2020				9	11	10	8.5
9/14/2020	10	8.9	10	11			
9/15/2020					11	10	8.6
3/31/2021	9.2					11	
4/1/2021							9.2
4/6/2021					11		
4/7/2021		8.8	9	10			

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	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 (D)		11 (D)			
12/14/2018	8.1						
12/17/2018			7.3		9.3	10	9.9
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
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						

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	2.44	9.65	12.6	9.29
6/27/2016	2.5	6.7	13	
6/29/2016				9
8/17/2016	2.4	6.4	14	
8/22/2016				9.7
10/17/2016	2.3		12	
10/18/2016		5.9		9.4
12/6/2016	2.3	5.9	12	
12/7/2016				11
2/14/2017	1.9	5.8	12	
2/16/2017				9.5
4/12/2017	1.6	5.6	11	
4/13/2017				8.7
6/27/2017	1.6	5.7	12	9.9
10/11/2017	1.6	5		
10/12/2017			11	11
6/6/2018	1.3	4.6	11	12
12/14/2018	1.8	4.2	11	
12/17/2018				13
4/1/2019		4.6	10	13
4/2/2019	2			
9/16/2019	1.9			14
9/17/2019		3.8	12	
3/25/2020	2.3		10	15
3/26/2020		5.1		
9/14/2020	2.8	5.8	14	19
3/31/2021				16
4/1/2021	2.4	6	12	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.002	0.0142	0.00393 (J)	<0.002	0.00634 (J)		<0.002
5/11/2016						0.00217 (J)	
6/23/2016	<0.002	0.0118	0.0027 (J)				<0.002
6/24/2016					0.0053 (J)	0.0015 (J)	
6/27/2016				<0.002			
8/16/2016	<0.002	0.0099	0.0038		0.0071		<0.002
8/17/2016				<0.002		0.0011 (J)	
10/13/2016	<0.002		0.0031				
10/14/2016		0.0045		<0.002	0.0067		0.0012 (J)
10/17/2016						0.0032	
12/5/2016			0.0027				
12/6/2016	<0.002	0.0043		<0.002	0.0063	0.0028	<0.002
2/14/2017	<0.002	0.014	0.0037	<0.002	0.0076	0.0046	<0.002
4/10/2017			0.0037				
4/11/2017	<0.002	0.014		<0.002	0.0098	0.005	<0.002
6/26/2017	<0.002	0.014	0.0047		0.012	0.0061	0.0021 (J)
6/27/2017				<0.002			
3/26/2018	<0.002	0.013	0.0042		0.012		
3/27/2018				<0.002		0.0058	<0.002
6/5/2018	0.0014 (J)	0.014	0.0046	<0.002			<0.002
6/6/2018					0.015	0.0048	
10/5/2018	0.0014 (J)	0.016	0.0058		0.015		
10/8/2018				<0.002		0.0098	0.0011 (J)
2/18/2019	0.0017 (J)	0.012				0.0059	
2/19/2019			0.0038	<0.002	0.014		<0.002
3/28/2019				<0.002	0.013	0.0046	<0.002
3/29/2019	0.0017 (J)	0.014	0.0043				
9/12/2019							0.0023 (J)
9/13/2019			0.0056				
9/16/2019	0.0017 (J)	0.014		0.0015 (J)	0.019	0.0064	
2/13/2020	<0.002	0.011	0.0036				
2/17/2020				<0.002			<0.002
2/18/2020					0.02	0.0062	
3/17/2020		0.014		<0.002	0.018		<0.002
3/18/2020	0.0024		0.0047			0.0047	
5/19/2020	<0.002	0.014	0.0051	<0.002	0.021	0.0058	<0.002
9/14/2020	<0.002	0.014	0.005	0.0021	0.018	0.0054	<0.002
2/9/2021	<0.002	0.014	0.0052	0.0023	0.019	0.0053	<0.002
3/30/2021	0.0026	0.014	0.0047				
3/31/2021					0.018	0.0037	<0.002
4/7/2021				0.0024			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.002	<0.002	<0.002				
5/12/2016				<0.002	<0.002	0.0335	0.00943 (J)
6/28/2016	<0.002	<0.002	<0.002	<0.002	0.0008 (J)	0.0339	0.0093 (J)
8/17/2016	<0.002	<0.002					
8/18/2016			<0.002	<0.002	<0.002	0.034	0.0085
10/17/2016	<0.002	<0.002	0.0023 (J)	<0.002	0.0012 (J)		
10/18/2016						0.033	0.0088
12/6/2016	<0.002	<0.002	<0.002	<0.002			
12/7/2016					0.0012 (J)	0.032	0.0079
2/15/2017	<0.002	<0.002	<0.002	<0.002	<0.002	0.03	
2/16/2017							0.0097
4/12/2017	<0.002	<0.002	<0.002	<0.002	<0.002	0.035	
4/13/2017							0.0098
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	0.035	0.0096
3/27/2018	<0.002	<0.002	<0.002	<0.002	<0.002	0.031	0.0098
6/6/2018	<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	<0.002						
10/16/2018		<0.002 (D)				0.032 (D)	
2/20/2019	<0.002	<0.002	<0.002	<0.002	0.0016 (J)	0.038	0.013
4/1/2019	<0.002	<0.002	<0.002	<0.002	<0.002	0.032	
4/2/2019							0.01
9/16/2019		<0.002	<0.002				
9/17/2019	<0.002			0.0017 (J)	0.0026	0.037	0.013
2/18/2020		<0.002					
2/19/2020	<0.002		<0.002	<0.002	<0.002	0.038	0.014
3/25/2020	<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			
9/15/2020					<0.002	0.034	0.012
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.035	0.012
3/31/2021	<0.002					0.034	
4/1/2021							0.012
4/6/2021					<0.002		
4/7/2021		<0.002	<0.002	<0.002			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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	0.00335 (D)	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 (D)		<0.002 (D)			
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)
2/18/2020				<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						



# Time Series

Constituent: Chromium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.002	<0.002	<0.002	<0.002
6/27/2016	<0.002	<0.002	<0.002	
6/29/2016				<0.002
8/17/2016	<0.002	<0.002	<0.002	
8/22/2016				<0.002
10/17/2016	<0.002		<0.002	
10/18/2016		<0.002		<0.002
12/6/2016	<0.002	<0.002	<0.002	
12/7/2016				<0.002
2/14/2017	<0.002	<0.002	<0.002	
2/16/2017				<0.002
4/12/2017	<0.002	<0.002	0.0011 (J)	
4/13/2017				<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	0.0012 (J)	
3/28/2018				<0.002
6/6/2018	<0.002	<0.002	0.0013 (J)	<0.002
10/8/2018	<0.002			
10/9/2018		<0.002	0.0016 (J)	<0.002
2/20/2019	<0.002	<0.002	0.0021 (J)	<0.002
4/1/2019		<0.002	0.0013 (J)	<0.002
4/2/2019	<0.002			
9/16/2019	<0.002			<0.002
9/17/2019		<0.002	0.0031	
2/18/2020	<0.002	<0.002	0.0015 (J)	
2/19/2020				<0.002
3/25/2020	<0.002		<0.002	<0.002
3/26/2020		<0.002		
9/14/2020	<0.002	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002
3/31/2021				<0.002
4/1/2021	<0.002	<0.002	<0.002	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	0.0184	<0.0025	<0.0025	0.0132	<0.0025		<0.0025
5/11/2016						<0.0025	
6/23/2016	0.0168	0.0004 (J)	0.0004 (J)				<0.0025
6/24/2016					<0.0025	<0.0025	
6/27/2016				0.0099 (J)			
8/16/2016	0.016	<0.0025	<0.0025		0.00051 (J)		<0.0025
8/17/2016				0.01		0.00041 (J)	
10/13/2016	0.02		0.0004 (J)				
10/14/2016		<0.0025		0.013	<0.0025		<0.0025
10/17/2016						<0.0025	
12/5/2016			<0.0025				
12/6/2016	0.016	<0.0025		0.016	<0.0025	<0.0025	<0.0025
2/14/2017	0.011	<0.0025	<0.0025	0.018	<0.0025	<0.0025	<0.0025
4/10/2017			<0.0025				
4/11/2017	0.0098	<0.0025		0.015	<0.0025	<0.0025	<0.0025
6/26/2017	0.01	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
6/27/2017				0.0088			
3/26/2018	0.0065	<0.0025	<0.0025		<0.0025		
3/27/2018				0.014		<0.0025	<0.0025
6/5/2018	0.0028	<0.0025	<0.0025	0.0095			<0.0025
6/6/2018					<0.0025	<0.0025	
10/5/2018	0.00075 (J)	<0.0025	0.00058 (J)		<0.0025		
10/8/2018				0.0047		<0.0025	<0.0025
2/18/2019	0.0008 (J)	<0.0025				<0.0025	
2/19/2019			<0.0025	0.005	<0.0025		<0.0025
3/28/2019				0.0042	<0.0025	<0.0025	<0.0025
3/29/2019	0.00072 (J)	<0.0025	<0.0025				
9/12/2019							<0.0025
9/13/2019			0.00018 (J)				
9/16/2019	0.0014 (J)	<0.0025		0.0045	<0.0025	<0.0025	
2/13/2020	0.0014 (J)	<0.0025	<0.0025				
2/17/2020				0.0044			<0.0025
2/18/2020					<0.0025	<0.0025	
3/17/2020		<0.0025		0.0039	<0.0025		<0.0025
3/18/2020	0.0021 (J)		0.00016 (J)			0.00032 (J)	
9/14/2020	0.0013 (J)	<0.0025	0.00031 (J)	0.002 (J)	<0.0025	<0.0025	<0.0025
2/9/2021	0.0013 (J)	<0.0025	0.00023 (J)	0.0011 (J)	<0.0025	<0.0025	<0.0025
3/30/2021	0.0013 (J)	0.00021 (J)	<0.0025				
3/31/2021					<0.0025	<0.0025	<0.0025
4/7/2021				0.0013 (J)			

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.0191	0.0378	0.00648 (J)				
5/12/2016				0.0145	0.00605 (J)	0.267	0.00303 (J)
6/28/2016	0.0192	0.0332	0.0051 (J)	0.011	0.0115	0.255	0.0029 (J)
8/17/2016	0.022	0.03					
8/18/2016			0.0035	0.0099	0.011	0.26	0.0029
10/17/2016	0.05	0.032	0.003	0.01	0.017		
10/18/2016						0.28	0.0034
12/6/2016	0.04	0.029	0.0036	0.0079			
12/7/2016					0.0043	0.26	0.003
2/15/2017	0.038	0.029	0.004	0.0073	0.0059	0.24	
2/16/2017							0.0033
4/12/2017	0.018	0.028	0.0039	0.0078	0.017	0.28	
4/13/2017							0.0034
6/27/2017	0.014	0.029	0.0042	0.0068	0.013	0.29	0.0037
3/27/2018	0.026	0.024	0.0035	0.0035	0.0083	0.27	0.0037
6/6/2018	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	0.03						
10/16/2018		0.023 (D)				0.27 (D)	
2/20/2019	0.034	0.024	0.0032	0.004	0.011	0.26	0.0038
4/1/2019	0.025	0.021	0.0029	0.003	0.014	0.26	
4/2/2019							0.0041
9/16/2019		0.022	0.003				
9/17/2019	0.022			0.0024 (J)	0.0096	0.27	0.0042
2/18/2020		0.018					
2/19/2020	0.027		0.0027	0.0018 (J)	0.0099	0.28	0.0047
3/25/2020	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	0.022	0.019	0.001 (J)	0.0022 (J)			
9/15/2020					0.0076	0.25	0.0043
2/9/2021	0.03	0.019	0.0014 (J)	0.0024 (J)	0.0052	0.26	0.0045
3/31/2021	0.026					0.26	
4/1/2021							0.0049
4/6/2021					0.0072		
4/7/2021		0.019	0.0017 (J)	0.0018 (J)			

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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	0.000845 (JD)	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 (D)		0.16 (D)			
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)
2/18/2020				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
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)						

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.0025	0.0116	0.00265 (J)	0.0156
6/27/2016	0.002 (J)	0.0143	0.0012 (J)	
6/29/2016				0.0147
8/17/2016	0.0018 (J)	0.012	0.00049 (J)	
8/22/2016				0.017
10/17/2016	0.0016 (J)		<0.0025	
10/18/2016		0.0099		0.017
12/6/2016	0.0012 (J)	0.011	<0.0025	
12/7/2016				0.014
2/14/2017	0.0022 (J)	0.0093	<0.0025	
2/16/2017				0.014
4/12/2017	0.0023 (J)	0.0062	<0.0025	
4/13/2017				0.014
6/27/2017	0.0045	0.021	<0.0025	0.013
3/27/2018	0.004	0.0054	<0.0025	
3/28/2018				0.0087
6/6/2018	0.0021 (J)	0.0034	<0.0025	0.0064
10/8/2018	<0.0025			
10/9/2018		0.013	<0.0025	0.0049
2/20/2019	0.00011 (J)	0.0057	0.00014 (J)	0.01
4/1/2019		0.0046	<0.0025	0.01
4/2/2019	<0.0025			
9/16/2019	0.00013 (J)			0.001 (J)
9/17/2019		0.0039	0.00013 (J)	
2/18/2020	<0.0025	0.0067	<0.0025	
2/19/2020				0.0082
3/25/2020	0.00027 (J)		0.00032 (J)	0.0064
3/26/2020		0.0033		
9/14/2020	<0.0025	0.0063	<0.0025	0.00048 (J)
2/9/2021	<0.0025	0.0069	<0.0025	0.0032
3/31/2021				0.0046
4/1/2021	<0.0025	0.0029	<0.0025	

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	0.275 (U)	0.441	0.31 (U)	-0.013 (U)	0.188 (U)		0.338 (U)
5/11/2016						0.284 (U)	
6/23/2016	0.077 (U)	0.155 (U)	0.455 (U)				0.358 (U)
6/24/2016					1.2	0.974	
6/27/2016				0.667 (U)			
8/16/2016	0.13 (U)	0.621	0.162 (U)		0.168 (U)		0.224 (U)
8/17/2016				0.148 (U)		0.202 (U)	
10/13/2016	0.309 (U)		0.327 (U)				
10/14/2016		0.765		0.448 (U)	0.345 (U)		0.999
10/17/2016						0.114 (U)	
12/5/2016			0.233 (U)				
12/6/2016	0.346 (U)	0.29 (U)		0.51	0.221 (U)	0.251 (U)	0.387 (U)
2/14/2017	0.352 (U)	0.111 (U)	0.237 (U)	0.302 (U)	-0.026 (U)	-0.0166 (U)	0.207 (U)
4/10/2017			0.00056 (U)				
4/11/2017	0.274 (U)	0.195 (U)		-0.0184 (U)	0.135 (U)	-0.168 (U)	0.219 (U)
6/26/2017	0.36	0.0975 (U)	-0.257 (U)		0.332 (U)	0.184 (U)	0.151 (U)
6/27/2017				-0.0536 (U)			
3/26/2018	0.522	0.124 (U)	0.141 (U)		0.226 (U)		
3/27/2018				0.207 (U)		0.164 (U)	0.252 (U)
6/5/2018	0.106 (U)	0.0496 (U)	0.163 (U)	-0.0364 (U)			0.255 (U)
6/6/2018					0.175 (U)	0.308	
10/5/2018	0.522	0.474	0.568		0.5		
10/8/2018				0.478		-0.0974 (U)	0.764
2/18/2019	0.362	0.25 (U)				0.0112 (U)	
2/19/2019			0.14 (U)	0.32 (U)	0.231 (U)		0.044 (U)
3/28/2019				0.0254 (U)	0.31 (U)	0.0974 (U)	0.115 (U)
3/29/2019	0.311 (U)	-0.0232 (U)	0.0992 (U)				
9/12/2019							0.102 (U)
9/13/2019			0.339 (U)				
9/16/2019	0.157 (U)	-0.245 (U)		-0.0172 (UR)	0.333 (U)	0.0843 (U)	
2/13/2020	0.152 (U)	0.205 (U)	0.287 (U)				
2/17/2020				-0.0319 (U)			-0.0291 (U)
2/18/2020					0.313 (U)	0.199 (U)	
3/17/2020		0.582 (U)		0.436 (U)	-0.0428 (U)		-0.196 (U)
3/18/2020	0.21 (U)		0.536			0.226 (U)	
9/14/2020	-0.13 (U)	0.107 (U)	0.637 (U)	-0.197 (U)	0.161 (U)	0.0399 (U)	-0.949 (U)
2/9/2021	0.225 (U)	0.0251 (U)	0.151 (U)	0.478	0.259 (U)	0.0123 (U)	0.0364 (U)
3/30/2021	0.408 (U)	0.311 (U)	-0.211 (U)				
3/31/2021					0.106 (U)	0.236 (U)	0.279 (U)
4/7/2021				0.0851 (U)			

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.26 (U)	0.182 (U)	0.433				
5/12/2016				0.0531 (U)	0.106 (U)	0.344 (U)	0.0196 (U)
6/28/2016	1.57	0.858	0.435 (U)	0.483 (U)	0.735 (U)	0.256 (U)	0.418 (U)
8/17/2016	0.548 (U)	0.367 (U)					
8/18/2016			0.214 (U)	0.286 (U)	0.212 (U)	0.503 (U)	0.199 (U)
10/17/2016	-0.0725 (U)	0.551	0.316 (U)	0.472	-0.187 (U)		
10/18/2016						0.171 (U)	0.0404 (U)
12/6/2016	0.496	0.438	0.0575 (U)	0.903			
12/7/2016					0.701	0.375 (U)	0.426
2/15/2017	0.321 (U)	-0.0831 (U)	-0.0321 (U)	-0.223 (U)	0.155 (U)	0.0801 (U)	
2/16/2017							0.163 (U)
4/12/2017	-0.0397 (U)	0.343 (U)	0.00949 (U)	0.21 (U)	0.233 (U)	0.197 (U)	
4/13/2017							0.0522 (U)
6/27/2017	0.47	0.369	0.183 (U)	0.0574 (U)	0.302	0.0274 (U)	0.222 (U)
3/27/2018	0.136 (U)	0.172 (U)	0.445	0.145 (U)	0.306 (U)	0.285 (U)	0.387 (U)
6/6/2018	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	0.387						
10/16/2018		1.06 (D)				0.731 (D)	
2/20/2019	0.0159 (U)	0.708	0.161 (U)	0.222 (U)	0.147 (U)	0.573	0.0684 (U)
4/1/2019	0.452	0.173 (U)	0.372	0.36	-0.138 (U)	0.0499 (U)	
4/2/2019							0.167 (U)
9/16/2019		0.251 (U)	0.569 (U)				
9/17/2019	0.226 (U)			0.143 (U)	0.264 (U)	0.441 (U)	0.558
2/18/2020		0.203 (U)					
2/19/2020	0.0222 (U)		0.166 (U)	0.218 (U)	0.0061 (U)	0.415 (U)	0.0321 (U)
3/25/2020	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	0.125 (U)	-0.0264 (U)	0.575	0.613			
9/15/2020					0.131 (U)	0.546	-0.0426 (U)
2/9/2021	-0.0573 (U)	0.114 (U)	0.146 (U)	0.307 (U)	-0.121 (U)	0.222 (U)	-0.00967 (U)
3/31/2021	0.188 (U)					0.311 (U)	
4/1/2021							0.0901 (U)
4/6/2021					-0.0391 (U)		
4/7/2021		0.0576 (U)	0.0695 (U)	0.356 (U)			

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (U)		0.396 (U)	0.162 (U)	0.253 (U)	1.1	0.423 (U)
6/30/2016		0.593 (U)					
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	0.639	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 (UD)		0.399 (D)			
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
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)						



# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	0.0394 (U)	0.214 (U)	2.05	0.134 (U)
6/27/2016	0.624 (U)	0.581 (U)	2.9	
6/29/2016				0.665 (U)
8/17/2016	0.572	0.665	2.57	
8/22/2016				0.391 (U)
10/17/2016	0.307 (U)		2.08	
10/18/2016		0.453		0.521
12/6/2016	0.122 (U)	0.368 (U)	2.25	
12/7/2016				0.367 (U)
2/14/2017	0.166 (U)	0.328 (U)	1.77	
2/16/2017				0.076 (U)
4/12/2017	0.355 (U)	0.206 (U)	2.72	
4/13/2017				0.239 (U)
6/27/2017	0.0783 (U)	0.598	2.07	0.268 (U)
3/27/2018	0.0443 (U)	0.546	2.3	
3/28/2018				0.378
6/6/2018	0.127 (U)	0.165 (U)	1.59	-0.0272 (U)
10/8/2018	0.77			
10/9/2018		0.385	3.01	0.565
2/20/2019	0.25 (U)	0.433	2.5	0.425
4/1/2019		0.675	1.91	-0.0113 (U)
4/2/2019	0.3 (U)			
9/16/2019	0.0805 (U)			-0.116 (U)
9/17/2019		0.341 (U)	2.04	
2/18/2020	-0.0675 (U)	0.326 (U)	2.06	
2/19/2020				0.0604 (U)
3/25/2020	0.411 (U)		2.99	0.206 (U)
3/26/2020		0.151 (U)		
9/14/2020	0.334 (U)	0.123 (U)	2.16	0.502 (U)
2/9/2021	0.273 (U)	0.721	2.92	0.0162 (U)
3/31/2021				0.153 (U)
4/1/2021	0.544	0.329 (U)	2.26	

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.1	0.0537 (J)	0.0648 (J)	0.041 (J)	0.0192 (J)		0.0188 (J)
5/11/2016						0.108 (J)	
6/23/2016	<0.1	0.03 (J)	0.05 (J)				<0.1
6/24/2016					0.02 (J)	0.08 (J)	
6/27/2016				0.03 (J)			
8/16/2016	<0.1	<0.1	<0.1		<0.1		<0.1
8/17/2016				<0.1		<0.1	
10/13/2016	<0.1		<0.1				
10/14/2016		<0.1		<0.1	<0.1		<0.1
10/17/2016						<0.1	
12/5/2016			<0.1				
12/6/2016	<0.1	<0.1		<0.1	<0.1	0.091 (J)	<0.1
2/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 (J)	<0.1
4/10/2017			<0.1				
4/11/2017	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1
6/26/2017	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
6/27/2017				<0.1			
10/10/2017	<0.1	<0.1	<0.1				
10/11/2017				<0.1	<0.1	<0.1	<0.1
3/26/2018	<0.1	<0.1	<0.1		<0.1		
3/27/2018				<0.1		<0.1	<0.1
6/5/2018	<0.1	<0.1	<0.1	<0.1			<0.1
6/6/2018					<0.1	<0.1	
10/5/2018	<0.1	<0.1	<0.1		<0.1		
10/8/2018				<0.1		<0.1	<0.1
2/18/2019	<0.1	0.05 (J)				0.066 (J)	
2/19/2019			0.06 (J)	0.044 (J)	<0.1		<0.1
3/28/2019				0.037 (J)	0.026 (J)	0.052 (J)	<0.1
3/29/2019	<0.1	0.053 (J)	0.056 (J)				
9/12/2019							<0.1
9/13/2019			0.049 (J)				
9/16/2019	<0.1	0.054 (J)		0.04 (J)	0.026 (J)	0.055 (J)	
2/13/2020	<0.1	0.051 (J)	0.066 (J)				
2/17/2020				0.041 (J)			<0.1
2/18/2020					<0.1	0.068 (J)	
3/17/2020		0.038 (J)		0.041 (J)	0.029 (J)		0.03 (J)
3/18/2020	<0.1		0.078 (J)			<0.1	
9/14/2020	<0.1	0.033 (J)	0.038 (J)	0.028 (J)	<0.1	0.035 (J)	<0.1
2/9/2021	<0.1	0.055 (J)	0.059 (J)	0.037 (J)	<0.1	0.059 (J)	<0.1
3/30/2021	<0.1	0.048 (J)	0.052 (J)				
3/31/2021					<0.1	0.051 (J)	<0.1
4/7/2021				0.054 (J)			

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.019 (J)	0.033 (J)	0.11 (J)				
5/12/2016				0.042 (J)	0.031 (J)	0.1071 (J)	0.011 (J)
6/28/2016	<0.1	0.08 (J)	0.18 (J)	0.15 (J)	0.03 (J)	0.26 (J)	0.09 (J)
8/17/2016	<0.1	<0.1					
8/18/2016			0.12 (J)	<0.1	<0.1	0.14 (J)	<0.1
10/17/2016	<0.1	<0.1	0.082 (J)	<0.1	<0.1		
10/18/2016						0.12 (J)	<0.1
12/6/2016	<0.1	<0.1	0.11 (J)	<0.1			
12/7/2016					<0.1	0.13 (J)	<0.1
2/15/2017	<0.1	<0.1	0.13 (J)	<0.1	<0.1	0.12 (J)	
2/16/2017							<0.1
4/12/2017	<0.1	<0.1	0.088 (J)	<0.1	<0.1	0.11 (J)	
4/13/2017							<0.1
6/27/2017	<0.1	<0.1	0.1 (J)	<0.1	<0.1	0.13 (J)	<0.1
10/11/2017		<0.1	<0.1	<0.1	<0.1		
10/12/2017	<0.1					0.13 (J)	<0.1
3/27/2018	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 (J)	<0.1
6/6/2018	<0.1	<0.1	<0.1				
6/7/2018				<0.1	<0.1	0.14 (J)	<0.1
10/8/2018			<0.1	<0.1	<0.1		<0.1
10/9/2018	<0.1						
10/16/2018		<0.1 (D)				0.14 (JD)	
2/20/2019	<0.1	<0.1	0.052 (J)	<0.1	<0.1	0.33	<0.1
4/1/2019	<0.1	<0.1	0.048 (J)	<0.1	<0.1	0.072 (J)	
4/2/2019							<0.1
9/16/2019		<0.1	0.065 (J)				
9/17/2019	<0.1			0.04 (J)	0.028 (J)	0.1	<0.1
2/18/2020		<0.1					
2/19/2020	<0.1		0.064 (J)	0.027 (J)	0.026 (J)	0.13	<0.1
3/25/2020	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	<0.1	<0.1	0.042 (J)	<0.1			
9/15/2020					0.04 (J)	0.15	0.037 (J)
2/9/2021	<0.1	<0.1	0.074 (J)	<0.1	<0.1	0.14	<0.1
3/31/2021	0.047 (J)					0.12	
4/1/2021							<0.1
4/6/2021					<0.1		
4/7/2021		<0.1	0.066 (J)	0.053 (J)			

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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	<0.1						
8/19/2016						<0.1	<0.1
8/22/2016		<0.1	<0.1	0.33	0.083 (J)		
10/18/2016			<0.1	0.26	<0.1	<0.1	<0.1
10/19/2016	<0.1 (D)	<0.1					
12/7/2016	<0.1	<0.1			<0.1	<0.1	<0.1
12/8/2016			<0.1	0.28			
2/15/2017	0.089 (J)						0.092 (J)
2/16/2017		<0.1	<0.1	0.28	0.12 (J)	0.1 (J)	
4/13/2017	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1
6/27/2017	<0.1						
6/28/2017		<0.1	<0.1	0.22	0.1 (J)	<0.1	<0.1
10/12/2017	<0.1	<0.1	<0.1	0.18 (J)	<0.1	<0.1	<0.1
3/27/2018	<0.1						<0.1
3/28/2018		<0.1	<0.1	0.19 (J)	<0.1	<0.1	
6/7/2018	<0.1			0.21	<0.1	<0.1	<0.1
6/8/2018		<0.1	<0.1				
10/8/2018	<0.1				<0.1	<0.1	<0.1
10/9/2018			<0.1				
10/18/2018		<0.1 (D)		0.23 (D)			
2/19/2019						<0.1	0.055 (J)
2/20/2019	0.034 (J)	<0.1	<0.1	0.2	0.051 (J)		
4/2/2019	0.045 (J)	0.05 (J)	<0.1	0.15 (J)	0.066 (J)	<0.1	0.036 (J)
9/17/2019	0.047 (J)	0.034 (J)	<0.1	0.14	0.077 (J)		
9/18/2019						0.028 (J)	0.044 (J)
2/18/2020				0.16	0.073 (J)	<0.1	0.082 (J)
2/19/2020	0.046 (J)		<0.1				
2/20/2020		<0.1					
3/23/2020			0.057 (J)	0.25	0.11		
3/24/2020	0.058 (J)					<0.1	0.081 (J)
3/26/2020		0.091 (J)					
9/15/2020	0.052 (J)	<0.1	<0.1	0.15	0.061 (J)	<0.1	0.052 (J)
2/10/2021	0.03 (J)	<0.1	<0.1	0.19	0.049 (J)	<0.1	0.046 (J)
3/30/2021		0.1 (J)	<0.1	0.18	0.074 (J)		
3/31/2021						<0.1	0.046 (J)
4/1/2021	0.051 (J)						

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	0.133 (J)	0.245 (J)	0.362	0.076 (J)
6/27/2016	0.21 (J)	0.23 (J)	0.45	
6/29/2016				0.13 (J)
8/17/2016	0.14 (J)	0.22	0.54	
8/22/2016				<0.1
10/17/2016	0.11 (J)		0.51	
10/18/2016		0.24		<0.1
12/6/2016	0.14 (J)	0.26	0.58	
12/7/2016				<0.1
2/14/2017	0.2	0.17 (J)	0.39	
2/16/2017				0.097 (J)
4/12/2017	0.089 (J)	0.2	0.41	
4/13/2017				<0.1
6/27/2017	0.085 (J)	0.23	0.47	<0.1
10/11/2017	0.089 (J)	0.21		
10/12/2017			0.47	<0.1
3/27/2018	<0.1	0.19 (J)	0.4	
3/28/2018				<0.1
6/6/2018	<0.1	0.2	0.4	<0.1
10/8/2018	<0.1			
10/9/2018		0.2	0.47	<0.1
2/20/2019	0.092 (J)	0.2	0.32	0.074 (J)
4/1/2019		0.12 (J)	0.21	0.041 (J)
4/2/2019	0.1 (J)			
9/16/2019	0.099 (J)			0.057 (J)
9/17/2019		0.2	0.47	
2/18/2020	0.11	0.2	0.38	
2/19/2020				0.061 (J)
3/25/2020	0.13		0.31	0.079 (J)
3/26/2020		0.14		
9/14/2020	0.076 (J)	0.11	0.29	0.037 (J)
2/9/2021	0.12	0.22	0.37	0.05 (J)
3/31/2021				0.073 (J)
4/1/2021	0.14	0.25	0.38	

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
5/11/2016						<0.001	
6/23/2016	<0.001	<0.001	0.0001 (J)				<0.001
6/24/2016					<0.001	<0.001	
6/27/2016				<0.001			
8/16/2016	<0.001	<0.001	<0.001		<0.001		<0.001
8/17/2016				<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	
12/5/2016			<0.001				
12/6/2016	<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
4/10/2017			<0.001				
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
6/27/2017				<0.001			
3/26/2018	<0.001	<0.001	<0.001		<0.001		
3/27/2018				<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	
10/5/2018	<0.001	<0.001	<0.001		<0.001		
10/8/2018				<0.001		<0.001	<0.001
2/18/2019	<0.001	<0.001				<0.001	
2/19/2019			<0.001	<0.001	<0.001		<0.001
3/28/2019				<0.001	<0.001	<0.001	<0.001
3/29/2019	<0.001	<0.001	<0.001				
9/12/2019							<0.001
9/13/2019			0.00014 (J)				
9/16/2019	<0.001	<0.001		<0.001	0.00017 (J)	<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	
3/17/2020		<0.001		<0.001	<0.001		<0.001
3/18/2020	0.00022 (J)		0.00022 (J)			0.00021 (J)	
9/14/2020	<0.001	<0.001	0.00014 (J)	<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
3/30/2021	<0.001	<0.001	<0.001				
3/31/2021					<0.001	<0.001	<0.001
4/7/2021				<0.001			

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	<0.001	<0.001				
5/12/2016				<0.001	<0.001	<0.001	<0.001
6/28/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2016	<0.001	<0.001					
8/18/2016			<0.001	<0.001	<0.001	<0.001	<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			
12/7/2016					<0.001	<0.001	<0.001
2/15/2017	<0.001	<0.001	<0.001	<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	0.00039 (J)	<0.001	<0.001	<0.001
6/6/2018	<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		<0.001
10/9/2018	<0.001						
10/16/2018		<0.001 (D)				<0.001 (D)	
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	0.00013 (J)			<0.001	0.00016 (J)	<0.001	<0.001
2/18/2020		<0.001					
2/19/2020	0.00014 (J)		<0.001	<0.001	<0.001	<0.001	<0.001
3/25/2020	<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			
9/15/2020					<0.001	<0.001	<0.001
2/9/2021	0.00013 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021	<0.001					<0.001	
4/1/2021							<0.001
4/6/2021					<0.001		
4/7/2021		<0.001	<0.001	<0.001			

# Time Series

Constituent: Lead (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	<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 (D)		<0.001 (D)			
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
2/18/2020				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						



# Time Series

Constituent: Lead (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001	<0.001	<0.001	
6/29/2016				<0.001
8/17/2016	<0.001	0.00085 (J)	<0.001	
8/22/2016				<0.001
10/17/2016	<0.001		<0.001	
10/18/2016		<0.001		<0.001
12/6/2016	<0.001	<0.001	<0.001	
12/7/2016				<0.001
2/14/2017	<0.001	<0.001	<0.001	
2/16/2017				<0.001
4/12/2017	<0.001	<0.001	<0.001	
4/13/2017				<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	<0.001	
3/28/2018				<0.001
6/6/2018	<0.001	<0.001	<0.001	<0.001
10/8/2018	<0.001			
10/9/2018		<0.001	<0.001	<0.001
2/20/2019	<0.001	<0.001	<0.001	<0.001
4/1/2019		<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	
2/18/2020	<0.001	<0.001	<0.001	
2/19/2020				<0.001
3/25/2020	0.0002 (J)		0.00029 (J)	<0.001
3/26/2020		<0.001		
9/14/2020	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	0.00014 (J)	0.00062 (J)	<0.001
3/31/2021				<0.001
4/1/2021	<0.001	0.00015 (J)	<0.001	

# Time Series

Constituent: Lithium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
5/11/2016						<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			
8/16/2016	<0.005	<0.005	<0.005		<0.005		<0.005
8/17/2016				<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	
12/5/2016			<0.005				
12/6/2016	<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
4/10/2017			<0.005				
4/11/2017	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
6/26/2017	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
6/27/2017				<0.005			
3/26/2018	0.0024 (J)	<0.005	<0.005		0.0013 (J)		
3/27/2018				<0.005		<0.005	0.0017 (J)
6/5/2018	0.0018 (J)	<0.005	0.0011 (J)	0.0015 (J)			<0.005
6/6/2018					<0.005	<0.005	
10/5/2018	0.0018 (J)	<0.005	0.0012 (J)		<0.005		
10/8/2018				<0.005		<0.005	<0.005
2/18/2019	<0.005	<0.005				<0.005	
2/19/2019			<0.005	<0.005	<0.005		<0.005
3/28/2019				<0.005	<0.005	<0.005	<0.005
3/29/2019	<0.005	<0.005	<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	
2/13/2020	<0.005	<0.005	<0.005				
2/17/2020				<0.005			<0.005
2/18/2020					<0.005	<0.005	
3/17/2020		<0.005		<0.005	<0.005		<0.005
3/18/2020	<0.005		<0.005			<0.005	
9/14/2020	<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
3/30/2021	<0.005	<0.005	<0.005				
3/31/2021					<0.005	<0.005	<0.005
4/7/2021				<0.005			

# Time Series

Constituent: Lithium (mg/L)    Analysis Run 5/26/2021 9:07 PM    View: Appendix III & IV  
 Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005	<0.005				
5/12/2016				<0.005	<0.005	<0.005	<0.005
6/28/2016	<0.005	0.0013 (J)	<0.005	<0.005	<0.005	0.0024 (J)	<0.005
8/17/2016	<0.005	<0.005					
8/18/2016			<0.005	<0.005	<0.005	<0.005	<0.005
10/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
10/18/2016						<0.005	<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005			
12/7/2016					<0.005	<0.005	<0.005
2/15/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/16/2017							<0.005
4/12/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
4/13/2017							<0.005
6/27/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/27/2018	<0.005	0.0029 (J)	<0.005	<0.005	<0.005	0.0034 (J)	<0.005
6/6/2018	<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	<0.005						
10/16/2018		0.0031 (JD)				0.0034 (JD)	
2/20/2019	<0.005	0.0031 (J)	<0.005	<0.005	<0.005	0.0038 (J)	<0.005
4/1/2019	<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				
9/17/2019	<0.005			<0.005	<0.005	0.0037	<0.005
2/18/2020		<0.005					
2/19/2020	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<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			
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
3/31/2021	<0.005					<0.005	
4/1/2021							<0.005
4/6/2021					<0.005		
4/7/2021		<0.005	<0.005	<0.005			

# Time Series

Constituent: Lithium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
5/12/2016	<0.005			<0.05 (O)	<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 (D)	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 (D)		0.0062 (D)			
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
2/18/2020				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						

# Time Series

Constituent: Lithium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.005	<0.05 (O)	<0.005	<0.005
6/27/2016	<0.005	0.0031 (J)	0.0013 (J)	
6/29/2016				<0.005
8/17/2016	<0.005	0.0046 (J)	<0.005	
8/22/2016				<0.005
10/17/2016	<0.005		<0.005	
10/18/2016		0.0036 (J)		<0.005
12/6/2016	<0.005	0.0043 (J)	<0.005	
12/7/2016				<0.005
2/14/2017	<0.005	0.0043 (J)	<0.005	
2/16/2017				<0.005
4/12/2017	<0.005	0.0051	<0.005	
4/13/2017				<0.005
6/27/2017	<0.005	0.0033 (J)	<0.005	<0.005
3/27/2018	<0.005	0.0061	0.0023 (J)	
3/28/2018				<0.005
6/6/2018	<0.005	0.004 (J)	0.0018 (J)	<0.005
10/8/2018	<0.005			
10/9/2018		0.0053	0.002 (J)	<0.005
2/20/2019	<0.005	0.006	<0.005	<0.005
4/1/2019		0.0058	0.0021 (J)	<0.005
4/2/2019	<0.005			
9/16/2019	<0.005			<0.005
9/17/2019		0.0049	<0.005	
2/18/2020	<0.005	0.0052	<0.005	
2/19/2020				<0.005
3/25/2020	<0.005		<0.005	<0.005
3/26/2020		0.006		
9/14/2020	<0.005	0.0051	<0.005	<0.005
2/9/2021	<0.005	0.0052	<0.005	<0.005
3/31/2021				<0.005
4/1/2021	<0.005	0.0053	<0.005	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/11/2016						<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			
8/16/2016	<0.0002	<0.0002	<0.0002		<0.0002		7.2E-05 (J)
8/17/2016				<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	
12/5/2016			0.00012 (J)				
12/6/2016	0.00012 (J)	0.00011 (J)		0.00011 (J)	8.7E-05 (J)	0.00011 (J)	0.00012 (J)
2/14/2017	<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
6/26/2017	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
6/27/2017				<0.0002			
3/26/2018	8.9E-05 (J)	<0.0002	<0.0002		<0.0002		
3/27/2018				<0.0002		<0.0002	<0.0002
6/5/2018	<0.0002	<0.0002	<0.0002	7.5E-05 (J)			<0.0002
6/6/2018					<0.0002	<0.0002	
10/5/2018	<0.0002	<0.0002	<0.0002		<0.0002		
10/8/2018				<0.0002		<0.0002	<0.0002
2/18/2019	<0.0002	<0.0002				<0.0002	
2/19/2019			<0.0002	<0.0002	<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				
9/12/2019							<0.0002
9/13/2019			<0.0002				
9/16/2019	<0.0002	<0.0002		<0.0002	0.0005	0.00027	
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	
3/17/2020		<0.0002		<0.0002	<0.0002		<0.0002
3/18/2020	<0.0002		<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
3/30/2021	<0.0002	<0.0002	<0.0002				
3/31/2021					<0.0002	<0.0002	<0.0002
4/7/2021				<0.0002			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0002	<0.0002	<0.0002				
5/12/2016				<0.0002	<0.0002	<0.0002	<0.0002
6/28/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/17/2016	<0.0002	<0.0002					
8/18/2016			<0.0002	<0.0002	<0.0002	0.00011 (J)	<0.0002
10/17/2016	<0.0002	<0.0002	<0.0002	<0.0002	8.9E-05 (J)		
10/18/2016						0.00012 (J)	<0.0002
12/6/2016	0.00013 (J)	0.0001 (J)	9.3E-05 (J)	0.00011 (J)			
12/7/2016					0.00012 (J)	0.00017 (J)	7.6E-05 (J)
2/15/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00011 (J)	
2/16/2017							<0.0002
4/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.2E-05 (J)	
4/13/2017							<0.0002
6/27/2017	<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	0.0001 (J)	0.00014 (J)	<0.0002
6/6/2018	<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						
10/16/2018		<0.0002				<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				
9/17/2019	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
2/18/2020		<0.0002					
2/19/2020	<0.0002		<0.0002	<0.0002	0.0002	0.00016 (J)	<0.0002
3/25/2020	<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			
9/15/2020					<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)	<0.0002
3/31/2021	<0.0002					0.00018 (J)	
4/1/2021							<0.0002
4/6/2021					<0.0002		
4/7/2021		<0.0002	<0.0002	<0.0002			

# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	<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 (D)			
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
2/18/2020				<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						



# Time Series

Constituent: Mercury (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.0002	<0.0002	<0.0002	<0.0002
6/27/2016	<0.0002	<0.0002	<0.0002	
6/29/2016				<0.0002
8/17/2016	<0.0002	<0.0002	<0.0002	
8/22/2016				<0.0002
10/17/2016	<0.0002		<0.0002	
10/18/2016		<0.0002		<0.0002
12/6/2016	0.00011 (J)	0.00011 (J)	7.6E-05 (J)	
12/7/2016				0.0001 (J)
2/14/2017	<0.0002	<0.0002	<0.0002	
2/16/2017				<0.0002
4/12/2017	<0.0002	<0.0002	<0.0002	
4/13/2017				<0.0002
6/27/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/27/2018	<0.0002	<0.0002	<0.0002	
3/28/2018				<0.0002
6/6/2018	<0.0002	<0.0002	<0.0002	<0.0002
10/8/2018	<0.0002			
10/9/2018		<0.0002	<0.0002	<0.0002
2/20/2019	<0.0002	<0.0002	<0.0002	<0.0002
4/1/2019		<0.0002	<0.0002	<0.0002
4/2/2019	<0.0002			
9/16/2019	<0.0002			<0.0002
9/17/2019		<0.0002	<0.0002	
2/18/2020	<0.0002	<0.0002	<0.0002	
2/19/2020				<0.0002
3/25/2020	<0.0002		<0.0002	<0.0002
3/26/2020		<0.0002		
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002
3/31/2021				<0.0002
4/1/2021	<0.0002	<0.0002	<0.0002	

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015
5/11/2016						0.00278 (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			
8/16/2016	<0.015	<0.015	<0.015		<0.015		<0.015
8/17/2016				<0.015		0.0018 (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)	
12/5/2016			<0.015				
12/6/2016	<0.015	<0.015		<0.015	<0.015	0.00095 (J)	<0.015
2/14/2017	<0.015	<0.015	<0.015	<0.015	0.0011 (J)	<0.015	<0.015
4/10/2017			<0.015				
4/11/2017	<0.015	<0.015		<0.015	<0.015	0.0011 (J)	<0.015
6/26/2017	<0.015	<0.015	<0.015		<0.015	0.0016 (J)	<0.015
6/27/2017				<0.015			
3/26/2018	<0.015	<0.015	<0.015		<0.015		
3/27/2018				<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
2/18/2019	<0.015	<0.015				0.00085 (J)	
2/19/2019			<0.015	<0.015	<0.015		<0.015
3/28/2019				<0.015	<0.015	<0.015	<0.015
3/29/2019	<0.015	<0.015	<0.015				
9/12/2019							<0.015
9/13/2019			<0.015				
9/16/2019	<0.015	<0.015		<0.015	<0.015	0.00069 (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)	
3/17/2020		<0.015		<0.015	<0.015		<0.015
3/18/2020	<0.015		<0.015			0.00064 (J)	
9/14/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
2/9/2021	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
3/30/2021	<0.015	<0.015	<0.015				
3/31/2021					<0.015	<0.015	<0.015
4/7/2021				<0.015			

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.015	<0.015	<0.015				
5/12/2016				<0.015	<0.015	<0.015	<0.015
6/28/2016	<0.015	<0.015	0.0012 (J)	<0.015	<0.015	<0.015	<0.015
8/17/2016	<0.015	<0.015					
8/18/2016			0.0011 (J)	<0.015	<0.015	<0.015	<0.015
10/17/2016	<0.015	<0.015	<0.015	<0.015	<0.015		
10/18/2016						<0.015	<0.015
12/6/2016	<0.015	<0.015	<0.015	<0.015			
12/7/2016					<0.015	<0.015	<0.015
2/15/2017	<0.015	<0.015	<0.015	<0.015	0.003 (J)	<0.015	
2/16/2017							<0.015
4/12/2017	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
4/13/2017							<0.015
6/27/2017	<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
10/8/2018			<0.015	<0.015	<0.015		<0.015
10/9/2018	<0.015						
10/16/2018		<0.015				<0.015	
2/20/2019	<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	
4/2/2019							<0.015
9/16/2019		<0.015	<0.015				
9/17/2019	<0.015			<0.015	<0.015	<0.015	<0.015
2/18/2020		<0.015					
2/19/2020	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015
3/25/2020	<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			
9/15/2020					<0.015	<0.015	<0.015
2/9/2021	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
3/31/2021	<0.015					<0.015	
4/1/2021							<0.015
4/6/2021					<0.015		
4/7/2021		<0.015	<0.015	<0.015			

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	<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			
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
2/18/2020				<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						

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.015	0.00343 (J)	<0.015	<0.015
6/27/2016	0.0007 (J)	0.0033 (J)	0.0008 (J)	
6/29/2016				0.0021 (J)
8/17/2016	<0.015	0.002 (J)	<0.015	
8/22/2016				0.00099 (J)
10/17/2016	<0.015		<0.015	
10/18/2016		0.0012 (J)		0.0014 (J)
12/6/2016	<0.015	0.0021 (J)	<0.015	
12/7/2016				0.001 (J)
2/14/2017	<0.015	<0.015	<0.015	
2/16/2017				<0.015
4/12/2017	<0.015	0.0033 (J)	<0.015	
4/13/2017				0.001 (J)
6/27/2017	0.00099 (J)	0.0021 (J)	<0.015	<0.015
3/27/2018	<0.015	<0.015	<0.015	
3/28/2018				<0.015
10/8/2018	<0.015			
10/9/2018		<0.015	<0.015	<0.015
2/20/2019	<0.015	0.0013 (J)	<0.015	0.00075 (J)
4/1/2019		<0.015	<0.015	<0.015
4/2/2019	<0.015			
9/16/2019	<0.015			0.00067 (J)
9/17/2019		0.0014 (J)	<0.015	
2/18/2020	<0.015	0.0014 (J)	<0.015	
2/19/2020				0.00063 (J)
3/25/2020	<0.015		<0.015	<0.015
3/26/2020		0.001 (J)		
9/14/2020	<0.015	0.0012 (J)	<0.015	<0.015
2/9/2021	<0.015	0.0014 (J)	<0.015	0.00063 (J)
3/31/2021				<0.015
4/1/2021	<0.015	0.0009 (J)	<0.015	

# Time Series

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	5.51	6.83	6.34	6.14	5.75		5.84
5/11/2016						6.49	
8/16/2016	5.42	6.73	6.35		5.72		5.64
8/17/2016				6.1		6.42	
10/13/2016	5.52		6.34				
10/14/2016		6.47		6.14	5.71		5.59
10/17/2016						6.44	
12/5/2016			6.32				
12/6/2016	5.33	6.74		6.19	5.68	6.48	5.46
2/14/2017	5.29	6.85	6.33	6.34	5.57	6.18	5.29
4/10/2017			6.31				
4/11/2017	5.21	6.75		6.16	5.7	6.49	5.54
6/26/2017	5.25	6.82	6.35		5.68	6.48	5.54
6/27/2017				6.08			
10/10/2017	5.49	6.87	6.37				
10/11/2017				6.16	5.63	6.42	5.43
3/26/2018	5.39	6.77	6.32		5.89		
3/27/2018				6.12		6.53	5.52
6/5/2018	5.38	6.73	6.27	6.06			5.59
6/6/2018					5.62	6.7	
10/5/2018	5.46	6.81	6.37		5.76		5.7
10/8/2018				6.16		6.53	
3/28/2019				6.15	5.88	6.53	5.67
3/29/2019	5.22	6.81	6.31				
9/12/2019							5.59
9/13/2019			6.36				
9/16/2019	5.22	6.82		6.05	5.8	6.44	
2/13/2020	5.09	6.59	6.24				
2/17/2020				6.1			5.73
2/18/2020					5.76	6.38	
3/17/2020		6.83		6.02	5.87		5.62
3/18/2020	5.37		6.4			6.36	
5/19/2020	5.37	6.8	6.37	6.03	5.8	6.38	5.61
9/14/2020	5.11	6.73	6.52	5.98	5.84	6.4	5.82
2/9/2021	5.25	6.75	6.4	6.06	5.8	6.38	5.53
3/30/2021	5.28 (D)	6.73 (D)	6.27 (D)				
3/31/2021					5.72 (D)	6.33 (D)	5.5 (D)
4/7/2021				6.12 (D)			

# Time Series

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	5.7	5.84	6.28				
5/12/2016				6.09	5.79	4.76	5.29
8/17/2016	5.55	5.71					
8/18/2016			6.23	6	5.75	4.73	5.3
10/17/2016	5.45	5.69	6.27	6.01	5.73		
10/18/2016						4.62	5.23
12/6/2016	5.49	5.58	6.28	5.98			
12/7/2016					5.75	4.63	5.31
2/15/2017	5.29	5.54	6.21	5.74	5.58	4.51	
2/16/2017							4.77
4/12/2017	5.39	5.47	6.15	6.01	5.85	4.67	
4/13/2017							5.28
6/27/2017		5.47	6.23	6.05	5.86	4.66	5.22 (D)
10/11/2017		5.58	6.26	6.14	5.98		
10/12/2017	5.3					4.76	5.43
3/27/2018	5.58	5.65	6.32	6.25	5.87	4.61	5.28
6/6/2018	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	5.29						
10/16/2018		5.34				4.59	
4/1/2019	5.46	5.24	6.14	6.06	5.89	4.72	
4/2/2019							5.27
9/16/2019		5.32	6.18				
9/17/2019	5.31			5.98	5.78	4.65	5.26
2/18/2020		5.09					
2/19/2020	5.07		6.07	5.94	5.75	4.58	5.16
3/25/2020	5.26	5.16					
3/26/2020			6.1				
3/27/2020				5.89	5.74	4.51	5.17
9/14/2020	5.51	5.14	6.11	6			
9/15/2020					6.01	4.87	5.56
2/9/2021	5.23	5.24	6.13	5.98	5.85	4.26	5.22
3/31/2021	5.3 (D)					4.77 (D)	
4/1/2021							5.24 (D)
4/6/2021					5.84 (D)		
4/7/2021		5.18 (D)	6.44 (D)	6.07 (D)			

# Time Series

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
5/12/2016	6.21			4.36	5.95	5.675 (D)	6.18
5/13/2016		4.7	5.55				
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			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			
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
2/18/2020				4.3	6.06	5.59	5.95
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
2/10/2021	6.23	4.8	5.55	4.22	6.21	5.58	5.85
3/30/2021		4.82 (D)	5.57 (D)	4.32 (D)	6.17 (D)		
3/31/2021						5.73 (D)	5.93 (D)
4/1/2021	6.25 (D)						



# Time Series

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	6.39	6.66	6.35	6.24
8/17/2016	6.28	6.55	6.45	
8/22/2016				6.15
10/17/2016	6.3		6.43	
10/18/2016		6.59		6.11
12/6/2016	6.3	6.51	6.48	
12/7/2016				6.14
2/14/2017	6.31	6.3	6.39	
2/16/2017				5.95
4/12/2017	6.23	6.43	6.35	
4/13/2017				6.09
6/27/2017	6.23	6.56	6.41	6.09
10/11/2017	6.09	6.4		
10/12/2017			6.41	6.16
3/27/2018	6.2	6.6	6.66	
3/28/2018				6.3
6/6/2018	5.99	6.56	6.42	6.12
10/8/2018	6.3			
10/9/2018		6.56	6.51	6.06
4/1/2019		6.57	6.41	6.11
4/2/2019	6.25			
9/16/2019	6.26			6.11
9/17/2019		6.41	6.5	
2/18/2020	6.32	6.35	6.39	
2/19/2020				6.03
3/25/2020	6.31		6.35	6.01
3/26/2020		6.52		
9/14/2020	6.29	6.31	6.56	6.33
2/9/2021	6.34	6.42	6.35	6.21
3/31/2021				6.2 (D)
4/1/2021	6.31 (D)	6.44 (D)	6.32 (D)	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
5/11/2016						<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			
8/16/2016	<0.005	<0.005	<0.005		<0.005		<0.005
8/17/2016				<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	
12/5/2016			<0.005				
12/6/2016	<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
4/10/2017			<0.005				
4/11/2017	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
6/26/2017	<0.005	<0.005	<0.005		0.00029 (J)	0.00041 (J)	<0.005
6/27/2017				<0.005			
3/26/2018	<0.005	<0.005	<0.005		<0.005		
3/27/2018				<0.005		<0.005	<0.005
6/5/2018	0.00065 (J)	0.00098 (J)	0.00041 (J)	0.00029 (J)			0.00039 (J)
6/6/2018					<0.005	<0.005	
10/5/2018	0.00031 (J)	0.00028 (J)	<0.005		0.00024 (J)		
10/8/2018				<0.005		0.00041 (J)	<0.005
2/18/2019	<0.005	0.00017 (J)				<0.005	
2/19/2019			<0.005	<0.005	0.00012 (J)		<0.005
3/28/2019				<0.005	<0.005	<0.005	<0.005
3/29/2019	<0.005	<0.005	<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	
2/13/2020	<0.005	<0.005	<0.005				
2/17/2020				<0.005			<0.005
2/18/2020					<0.005	<0.005	
3/17/2020		<0.005		<0.005	<0.005		<0.005
3/18/2020	<0.005		<0.005			<0.005	
9/14/2020	<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
3/30/2021	<0.005	<0.005	<0.005				
3/31/2021					<0.005	<0.005	<0.005
4/7/2021				<0.005			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005	<0.005				
5/12/2016				<0.005	<0.005	0.00965 (J)	<0.005
6/28/2016	<0.005	<0.005	<0.005	<0.005	<0.005	0.0101	<0.005
8/17/2016	<0.005	<0.005					
8/18/2016			0.00031 (J)	<0.005	<0.005	0.0014	0.00053 (J)
10/17/2016	<0.005	<0.005	<0.005	0.0003 (J)	<0.005		
10/18/2016						0.0013	<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005			
12/7/2016					<0.005	0.0007 (J)	<0.005
2/15/2017	<0.005	<0.005	<0.005	<0.005	0.00066 (J)	0.00075 (J)	
2/16/2017							<0.005
4/12/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
4/13/2017							<0.005
6/27/2017	<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
6/6/2018	<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						
10/16/2018		0.00046 (JD)				0.0021 (D)	
2/20/2019	<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	
4/2/2019							0.0021
9/16/2019		<0.005	<0.005				
9/17/2019	<0.005			<0.005	<0.005	<0.005	<0.005
2/18/2020		<0.005					
2/19/2020	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<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			
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
3/31/2021	<0.005					<0.005	
4/1/2021							<0.005
4/6/2021					<0.005		
4/7/2021		<0.005	<0.005	<0.005			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	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 (D)		0.00049 (JD)			
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
2/18/2020				<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						

# Time Series

Constituent: Selenium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.005	<0.005	<0.005	<0.005
6/27/2016	<0.005	<0.005	<0.005	
6/29/2016				<0.005
8/17/2016	<0.005	<0.005	<0.005	
8/22/2016				<0.005
10/17/2016	<0.005		<0.005	
10/18/2016		<0.005		<0.005
12/6/2016	<0.005	<0.005	<0.005	
12/7/2016				<0.005
2/14/2017	<0.005	<0.005	<0.005	
2/16/2017				<0.005
4/12/2017	0.00034 (J)	<0.005	<0.005	
4/13/2017				<0.005
6/27/2017	0.00057 (J)	<0.005	<0.005	<0.005
3/27/2018	<0.005	<0.005	<0.005	
3/28/2018				<0.005
6/6/2018	0.00032 (J)	<0.005	<0.005	<0.005
10/8/2018	<0.005			
10/9/2018		0.00034 (J)	<0.005	<0.005
2/20/2019	<0.005	<0.005	<0.005	<0.005
4/1/2019		<0.005	<0.005	<0.005
4/2/2019	<0.005			
9/16/2019	<0.005			<0.005
9/17/2019		<0.005	<0.005	
2/18/2020	<0.005	<0.005	<0.005	
2/19/2020				<0.005
3/25/2020	<0.005		<0.005	<0.005
3/26/2020		<0.005		
9/14/2020	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005
3/31/2021				<0.005
4/1/2021	<0.005	<0.005	<0.005	

# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	0.6766 (J)	0.4053 (J)	<1	0.686 (J)	2.82		0.4716 (J)
5/11/2016						3.75	
6/23/2016	0.94 (J)	0.55 (J)	0.3 (J)				0.46 (J)
6/24/2016					2.3	3	
6/27/2016				0.61 (J)			
8/16/2016	1.2	<1	<1		1.5		<1
8/17/2016				<1		1.8	
10/13/2016	2.9		<1				
10/14/2016		<1		<1	1.2		<1
10/17/2016						1.4	
12/5/2016			<1				
12/6/2016	3.2	<1		<1	1.3	1.4	<1
2/14/2017	0.76 (J)	<1	<1	<1	1.9	1.1	<1
4/10/2017			<1				
4/11/2017	<1	<1		<1	1.3	1	<1
6/26/2017	0.74 (J)	<1	<1		1.5	0.99 (J)	<1
6/27/2017				<1			
10/10/2017	0.76 (J)	<1	<1				
10/11/2017				<1	0.98 (J)	0.93 (J)	<1
6/5/2018	<1	<1	<1	<1			<1
6/6/2018					1.8	0.89 (J)	
12/13/2018	<1	<1	<1	<1	1.4	0.76 (J)	<1
3/28/2019				<1	1.9	1.2	<1
3/29/2019	<1	0.65 (J)	<1				
9/12/2019							<1
9/13/2019			<1				
9/16/2019	0.98 (J)	0.68 (J)		<1	0.92 (J)	1.1	
3/17/2020		0.78 (J)		0.61 (J)	1.6		0.55 (J)
3/18/2020	1.2		0.45 (J)			1.3	
9/14/2020	0.58 (J)	<1	<1	<1	0.82 (J)	0.96 (J)	<1
3/30/2021	1.2	<1	<1				
3/31/2021					1.1	1.1	<1
4/7/2021				<1			

# Time Series

Constituent: Sulfate, total (mg/L)    Analysis Run 5/26/2021 9:07 PM    View: Appendix III & IV  
 Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	7.43	6.31	30.1				
5/12/2016				89.7	194	194	9.9
6/28/2016	6.3	3.7	25	76	200	200	11
8/17/2016	11	2.4					
8/18/2016			24	78	180	190	14
10/17/2016	4.4	2.1	23	73	190		
10/18/2016						190	15
12/6/2016	11	1.9	28	76			
12/7/2016					200	200	17
2/15/2017	1.3	1.2	33	73	190	190	
2/16/2017							17
4/12/2017	2.8	1	30	70	170	170	
4/13/2017							15
6/27/2017	8.2	1.2	33	78	200	200	19
10/11/2017		0.82 (J)	33	72	190		
10/12/2017	1.3					190	20
6/6/2018	2.9	0.89 (J)	41				
6/7/2018				69	190	190	25
10/16/2018		1.3				200	
12/14/2018			43	74	190		
12/17/2018	16						28
4/1/2019	21	0.81 (J)	48	82	180	190	
4/2/2019							31
9/16/2019		0.72 (J)	44				
9/17/2019	2.3			79	200	220	33
3/25/2020	14	0.58 (J)					
3/26/2020			44				
3/27/2020				81	180	190	35
9/14/2020	2.2	0.59 (J)	41	89			
9/15/2020					180	190	36
3/31/2021	15					200	
4/1/2021							37
4/6/2021					190		
4/7/2021		1.3	54	96			

# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	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
4/2/2019	180	1100	240	220	92	100	95
9/17/2019	200	1100	260	220	99		
9/18/2019						100	95
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						



# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	0.866 (J)	21.6	61.6	313
6/27/2016	0.86 (J)	17	64	
6/29/2016				280
8/17/2016	<1	19	63	
8/22/2016				300
10/17/2016	<1		64	
10/18/2016		17		280
12/6/2016	<1	18	72	
12/7/2016				280
2/14/2017	1	21	73	
2/16/2017				300
4/12/2017	<1	18	64	
4/13/2017				280
6/27/2017	<1	19	77	340
10/11/2017	<1	15		
10/12/2017			74	310
6/6/2018	<1	14	74	320
12/14/2018	<1	10	72	
12/17/2018				330
4/1/2019		16	67	310
4/2/2019	1.3			
9/16/2019	0.53 (J)			310
9/17/2019		8.7	77	
3/25/2020	0.58 (J)		62	300
3/26/2020		15		
9/14/2020	0.46 (J)	17	81	220
3/31/2021				240
4/1/2021	<1	18	74	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
5/11/2016						<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			
8/16/2016	9.5E-05 (J)	<0.001	<0.001		<0.001		<0.001
8/17/2016				<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	
12/5/2016			<0.001				
12/6/2016	<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
4/10/2017			<0.001				
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
6/27/2017				<0.001			
3/26/2018	<0.001	<0.001	<0.001		<0.001		
3/27/2018				<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	
10/5/2018	<0.001	<0.001	<0.001		<0.001		
10/8/2018				<0.001		<0.001	<0.001
2/18/2019	<0.001	<0.001				<0.001	
2/19/2019			<0.001	<0.001	<0.001		<0.001
3/28/2019				<0.001	<0.001	<0.001	<0.001
3/29/2019	<0.001	<0.001	<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	
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)	
3/17/2020		<0.001		<0.001	<0.001		<0.001
3/18/2020	0.00049 (J)		<0.001			0.00021 (J)	
9/14/2020	0.00039 (J)	0.00016 (J)	<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
3/30/2021	0.00035 (J)	0.00034 (J)	<0.001				
3/31/2021					<0.001	<0.001	<0.001
4/7/2021				<0.001			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	<0.001	<0.001				
5/12/2016				<0.001	<0.001	<0.001	<0.001
6/28/2016	0.0001 (J)	<0.001	<0.001	<0.001	<0.001	9E-05 (J)	<0.001
8/17/2016	<0.001	<0.001					
8/18/2016			<0.001	<0.001	<0.001	<0.001	<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			
12/7/2016					<0.001	<0.001	<0.001
2/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001	8.5E-05 (J)	
2/16/2017							<0.001
4/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)	
4/13/2017							<0.001
6/27/2017	<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
6/6/2018	<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		<0.001
10/9/2018	<0.001						
10/16/2018		<0.001 (D)				0.0001 (JD)	
2/20/2019	<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	9.5E-05 (J)	
4/2/2019							<0.001
9/16/2019		<0.001	<0.001				
9/17/2019	<0.001			<0.001	<0.001	0.00016 (J)	<0.001
2/18/2020		0.00016 (J)					
2/19/2020	0.00075 (J)		0.00034 (J)	0.00022 (J)	0.00018 (J)	0.00031 (J)	<0.001
3/25/2020	<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	0.00023 (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
3/31/2021	<0.001					<0.001	
4/1/2021							<0.001
4/6/2021					0.00017 (J)		
4/7/2021		<0.001	<0.001	<0.001			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)	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 (JD)		0.00018 (JD)			
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
2/18/2020				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						

# Time Series

Constituent: Thallium (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001	<0.001	<0.001	
6/29/2016				<0.001
8/17/2016	<0.001	<0.001	<0.001	
8/22/2016				<0.001
10/17/2016	<0.001		<0.001	
10/18/2016		<0.001		<0.001
12/6/2016	<0.001	<0.001	<0.001	
12/7/2016				<0.001
2/14/2017	<0.001	<0.001	<0.001	
2/16/2017				<0.001
4/12/2017	<0.001	<0.001	<0.001	
4/13/2017				<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	<0.001	
3/28/2018				<0.001
6/6/2018	<0.001	<0.001	<0.001	<0.001
10/8/2018	<0.001			
10/9/2018		<0.001	<0.001	<0.001
2/20/2019	<0.001	<0.001	<0.001	<0.001
4/1/2019		<0.001	<0.001	<0.001
4/2/2019	<0.001			
9/16/2019	<0.001			<0.001
9/17/2019		<0.001	0.00023 (J)	
2/18/2020	0.00028 (J)	0.00022 (J)	0.0002 (J)	
2/19/2020				0.00027 (J)
3/25/2020	0.00049 (J)		0.00079 (J)	<0.001
3/26/2020		<0.001		
9/14/2020	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001
3/31/2021				<0.001
4/1/2021	0.00023 (J)	0.00042 (J)	0.00021 (J)	

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)
5/10/2016	44	96	110	100	59		64
5/11/2016						91	
6/23/2016	38	91	118				58
6/24/2016					39	78	
6/27/2016				117			
8/16/2016	22	100	110		38		52
8/17/2016				86		100	
10/13/2016	66		120				
10/14/2016		100		80	34		58
10/17/2016						58	
12/5/2016			110				
12/6/2016	54	110		110	70	98	72
2/14/2017	18	76	86	98	32	78	52
4/10/2017			120				
4/11/2017	50	120		110	64	110	78
6/26/2017	60	110	130		64	110	80
6/27/2017				18			
10/10/2017	36	100	110				
10/11/2017				94	42	120	64
6/5/2018	8	74	76	80			50
6/6/2018					46	120	
12/13/2018	16	110	100	4 (J)	4 (J)	94	58
3/28/2019				79	43	110	58
3/29/2019	<10	72	110				
9/12/2019							22
9/13/2019			200				
9/16/2019	17	91		42	19	57	
3/17/2020		100		98	52		30
3/18/2020	25		110			140	
9/14/2020	20	93	95	71	55	110	36
3/30/2021	32	110	110				
3/31/2021					57	120	35
4/7/2021				95			

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	68	80	195				
5/12/2016				190	309	298	46
6/28/2016	41	134	200	198	333	337	60
8/17/2016	70	42					
8/18/2016			200	180	320	310	48
10/17/2016	6	24	160	140	320		
10/18/2016						320	60
12/6/2016	40	70	220	110			
12/7/2016					340	270	64
2/15/2017	18	34	200	160	340	310	
2/16/2017							40
4/12/2017	18	36	180	140	300	280	
4/13/2017							76
6/27/2017	50	8	200	170	320	290	50
10/11/2017		56	190	170	340		
10/12/2017	46					330	68
6/6/2018	38	40	260				
6/7/2018				190	340	310	74
10/16/2018		100 (D)				350 (D)	
12/14/2018			190	140	280		
12/17/2018	38						42
4/1/2019	82	33	200	190	330	330	
4/2/2019							73
9/16/2019		<10	200				
9/17/2019	17			170	310	320	59
3/25/2020	59	38					
3/26/2020			200				
3/27/2020				200	330	330	99
9/14/2020	45	39	190	190			
9/15/2020					360	340	90
3/31/2021	64					300	
4/1/2021							88
4/6/2021					320		
4/7/2021		40	210	200			

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
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 (D)		370 (D)			
12/14/2018	390						
12/17/2018			250		310	260	30
4/2/2019	400	1700	420	370	300	240	250
9/17/2019	380	1600	400	320	290		
9/18/2019						470	490
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						



# Time Series

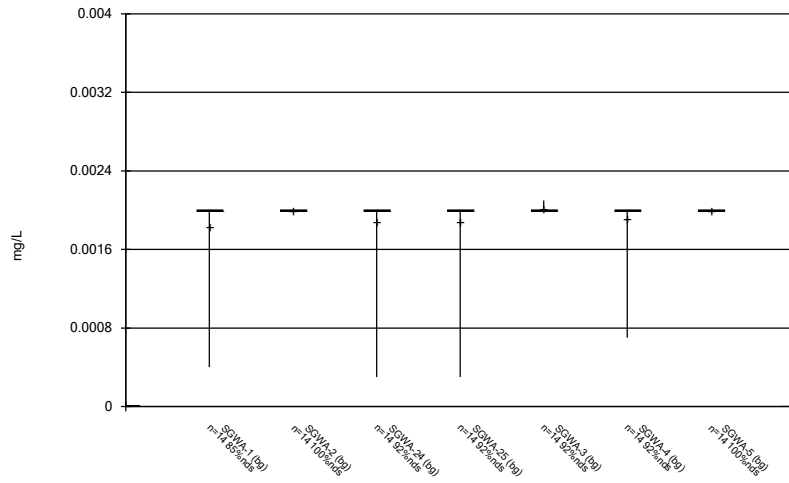
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	104	222	330	527
6/27/2016	112	275	423	
6/29/2016				562
8/17/2016	86	220	410	
8/22/2016				500
10/17/2016	60		370	
10/18/2016		210		490
12/6/2016	90	250	420	
12/7/2016				510
2/14/2017	54	210	370	
2/16/2017				520
4/12/2017	64	200	370	
4/13/2017				590
6/27/2017	40	180	380	550
10/11/2017	82	210		
10/12/2017			400	560
6/6/2018	100	210	410	590
12/14/2018	44	170	390	
12/17/2018				510
4/1/2019		200	370	580
4/2/2019	91			
9/16/2019	76			550
9/17/2019		140	380	
3/25/2020	94		360	540
3/26/2020		180		
9/14/2020	99	200	360	470
3/31/2021				430
4/1/2021	83	200	360	

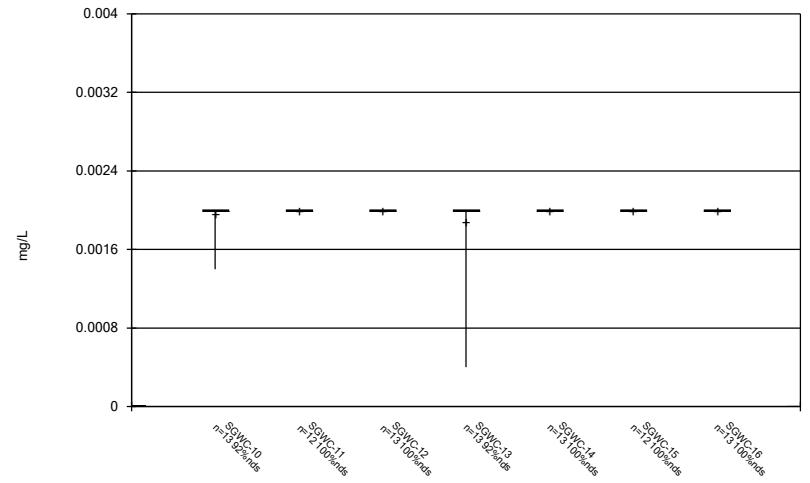
FIGURE B.

Box & Whiskers Plot



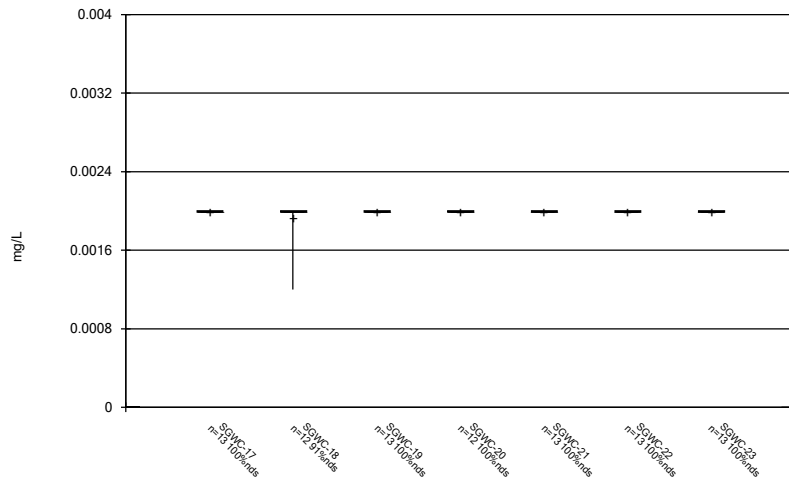
Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



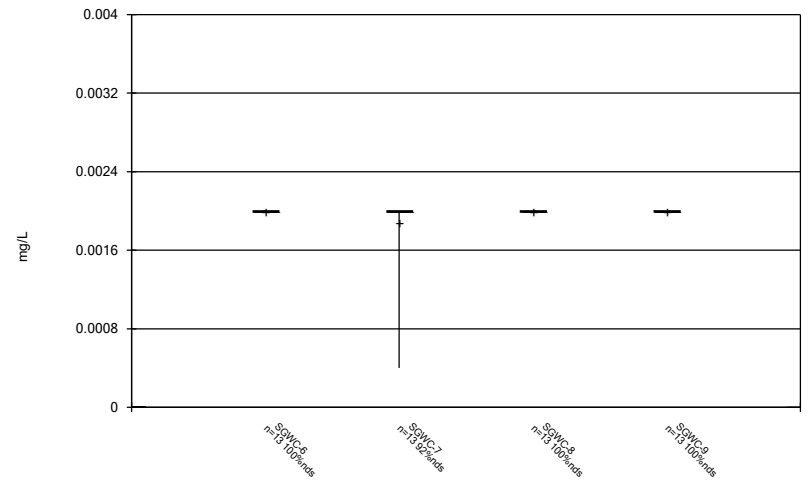
Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



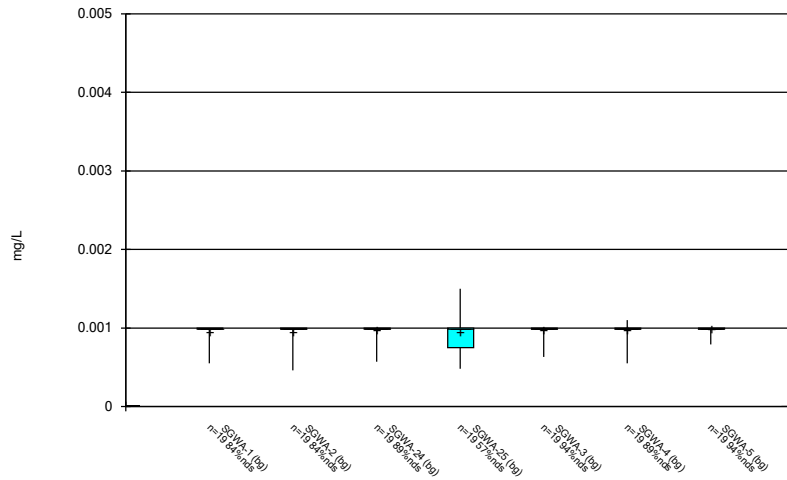
Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



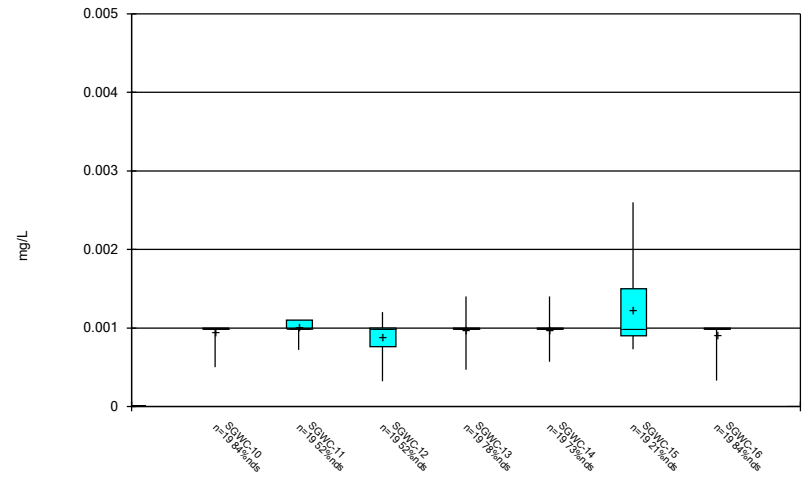
Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



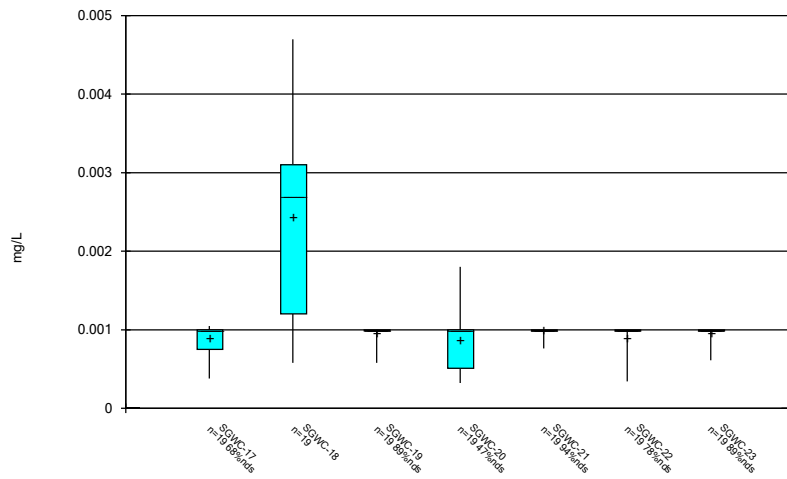
Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



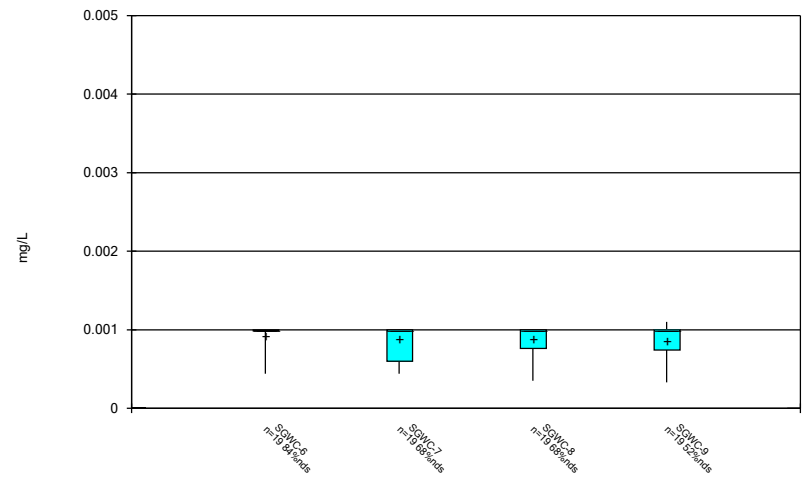
Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



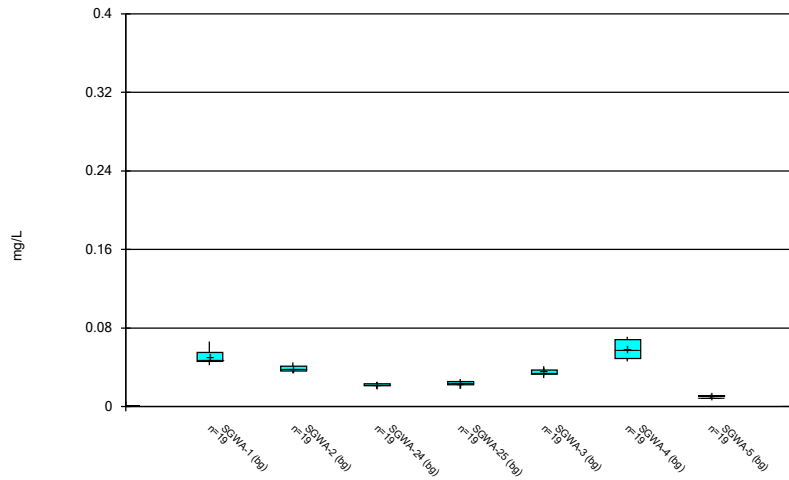
Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



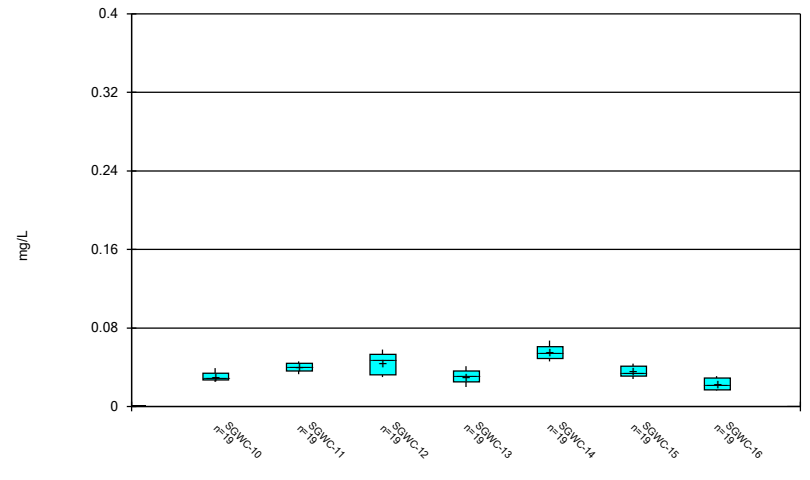
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### Box & Whiskers Plot



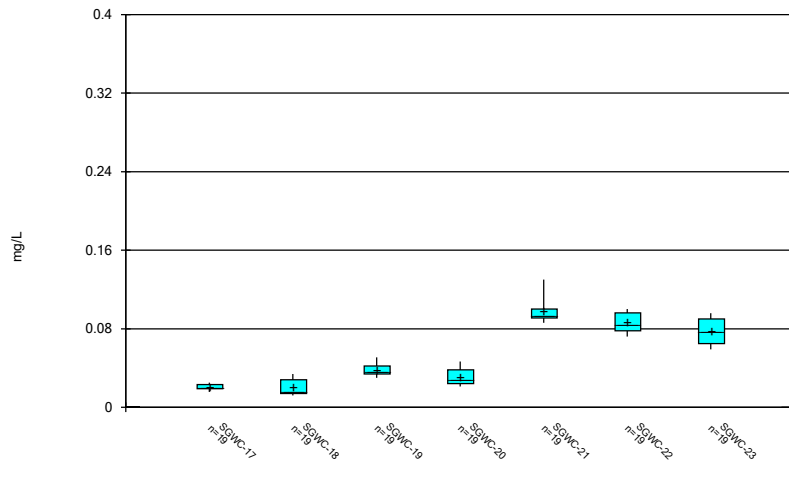
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### Box & Whiskers Plot



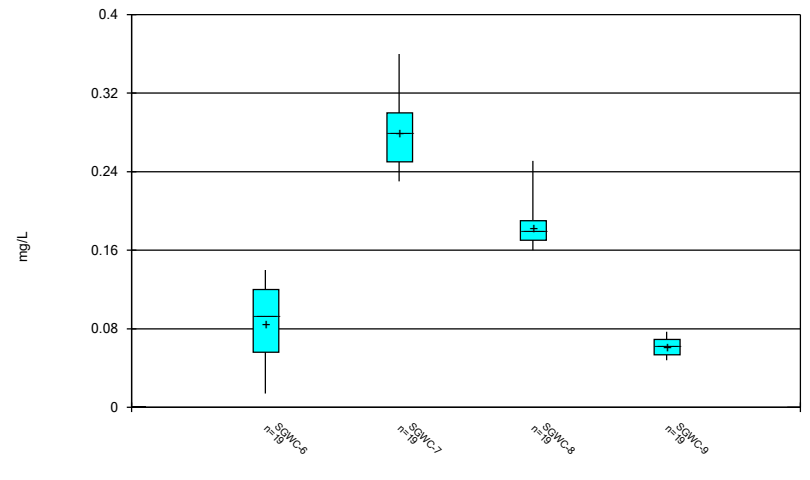
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### Box & Whiskers Plot



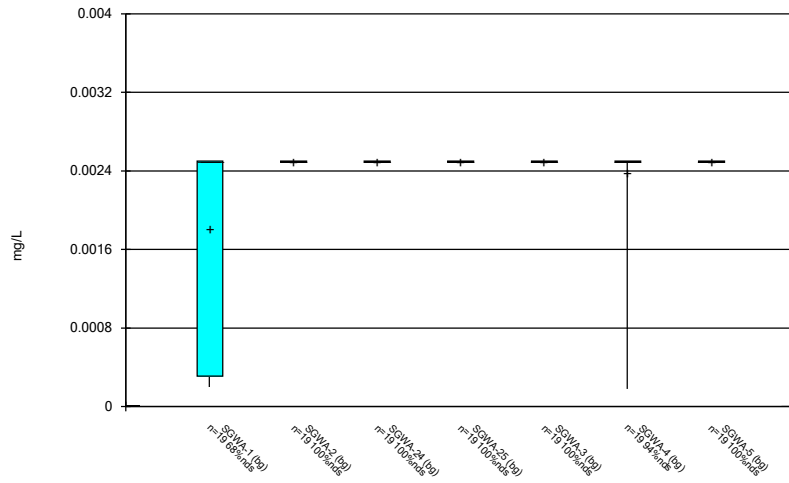
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### Box & Whiskers Plot



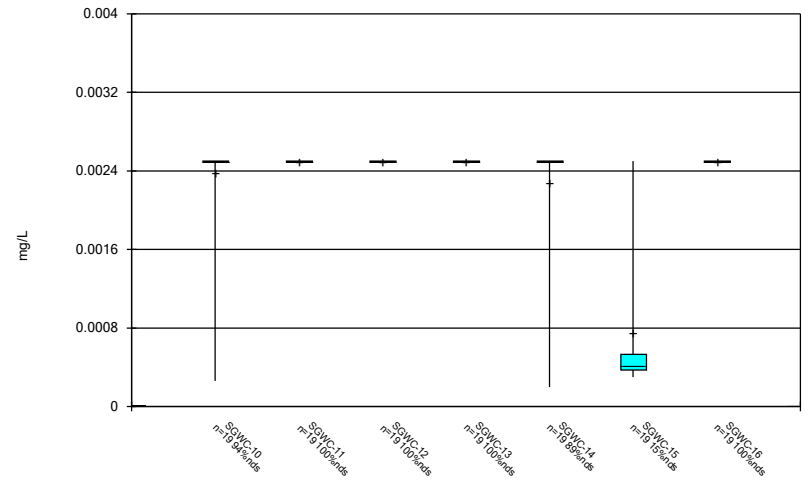
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Box & Whiskers Plot



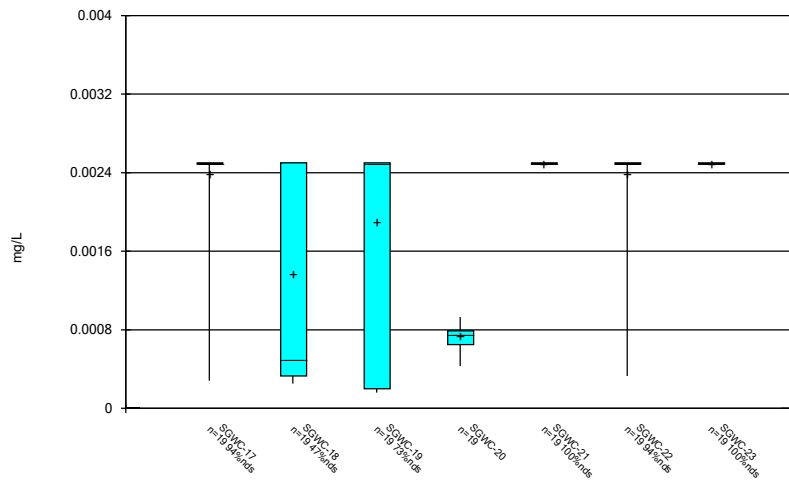
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Box & Whiskers Plot



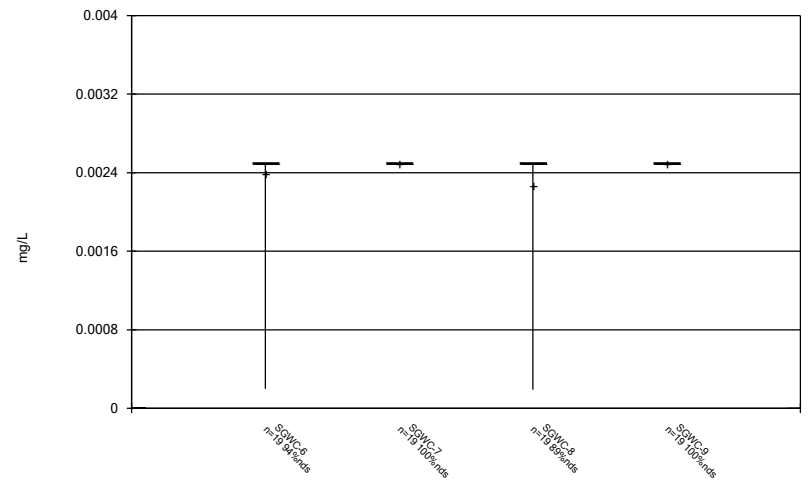
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Box & Whiskers Plot



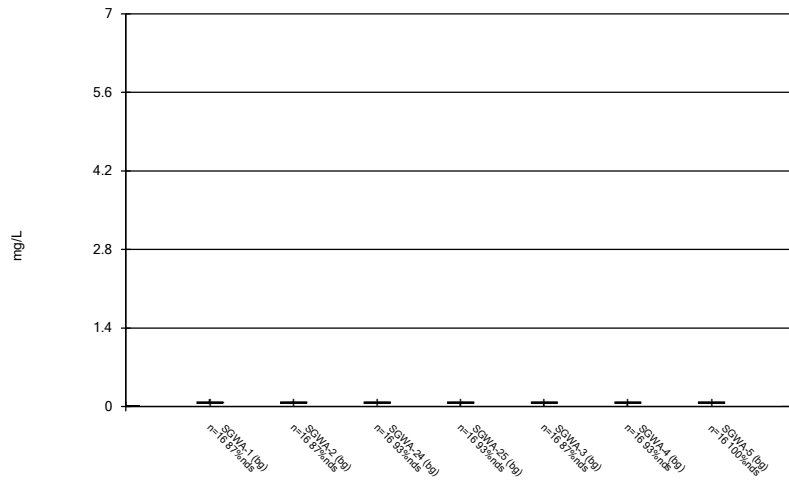
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Box & Whiskers Plot



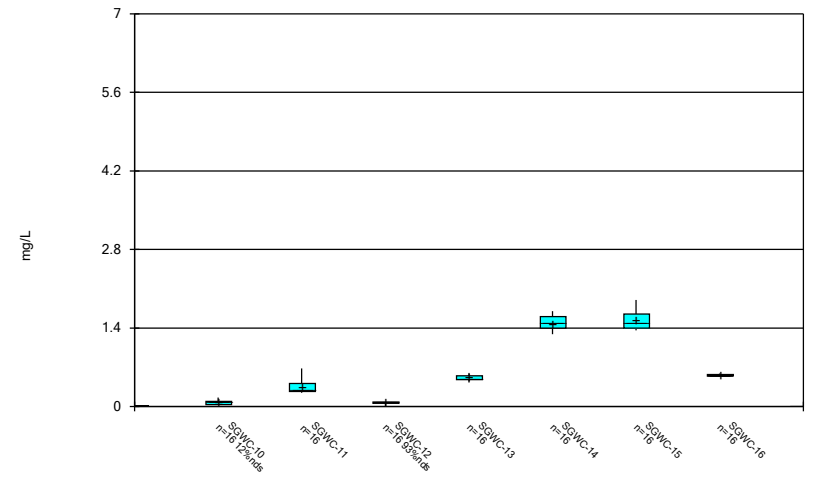
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Box & Whiskers Plot



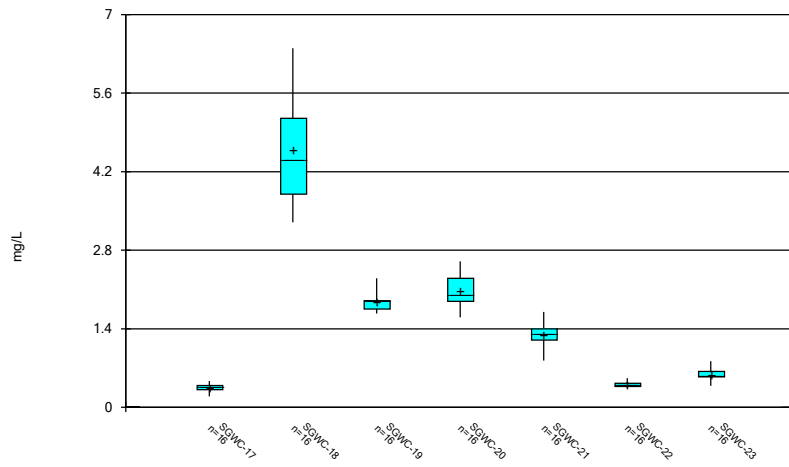
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



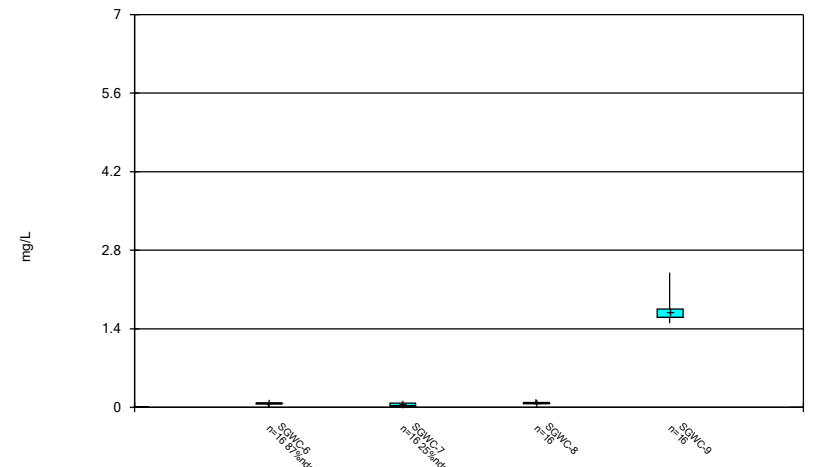
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Box & Whiskers Plot



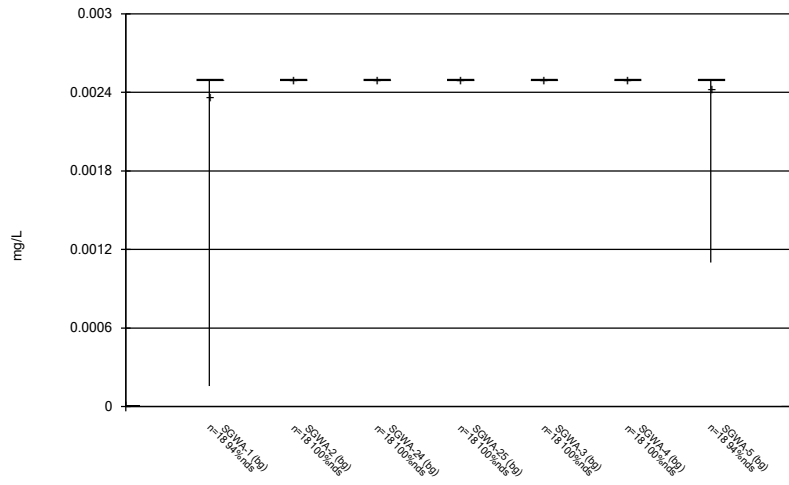
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Box & Whiskers Plot



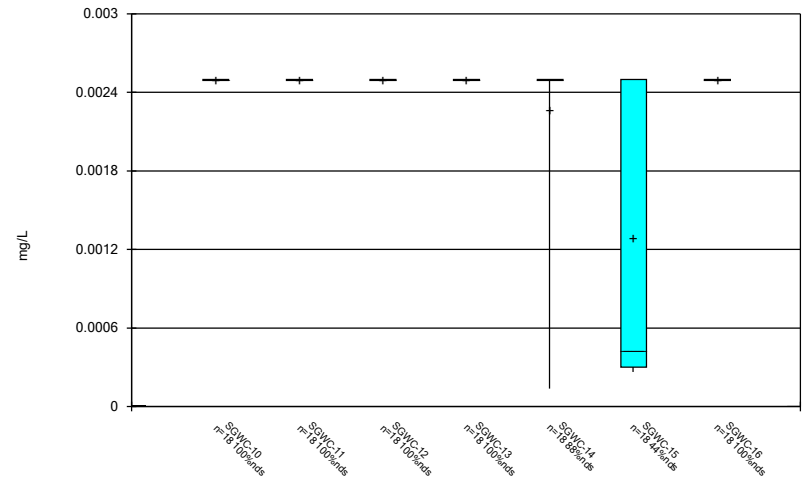
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Box & Whiskers Plot



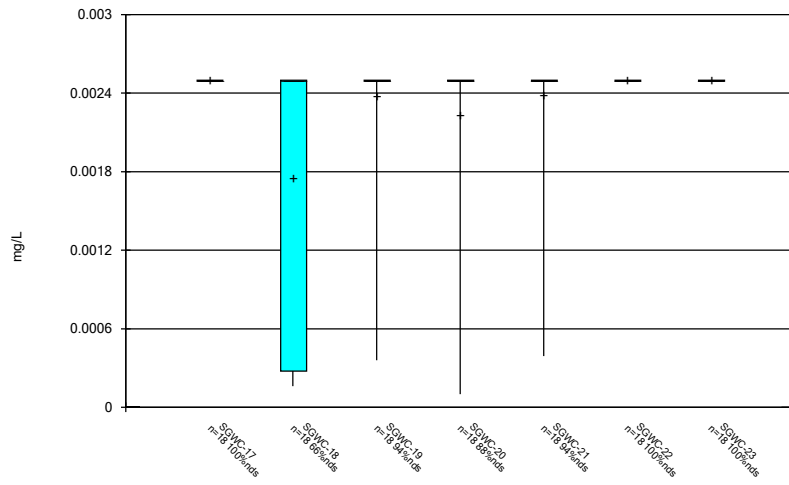
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Box & Whiskers Plot



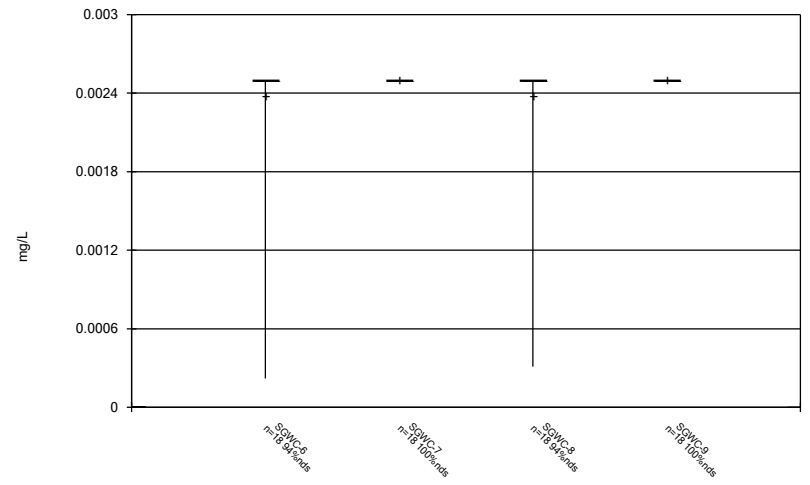
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Box & Whiskers Plot



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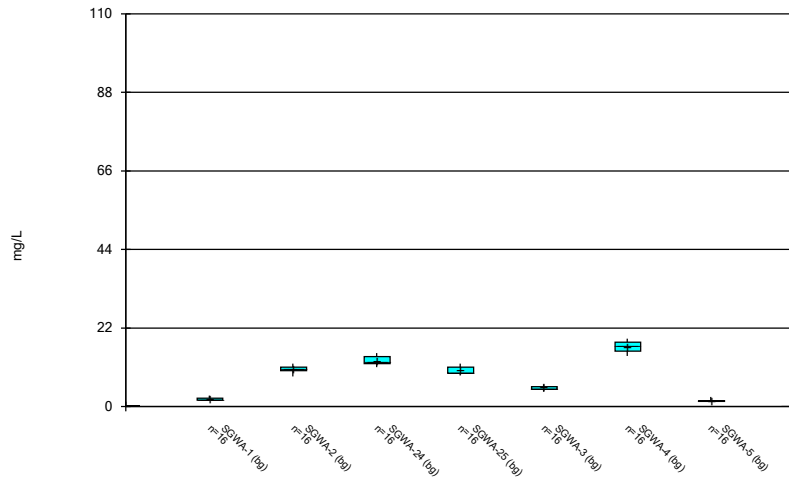
Box & Whiskers Plot



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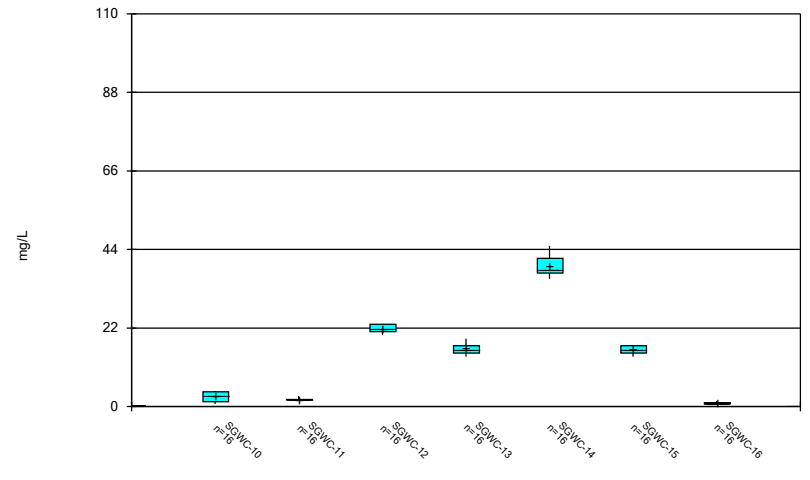


Box & Whiskers Plot



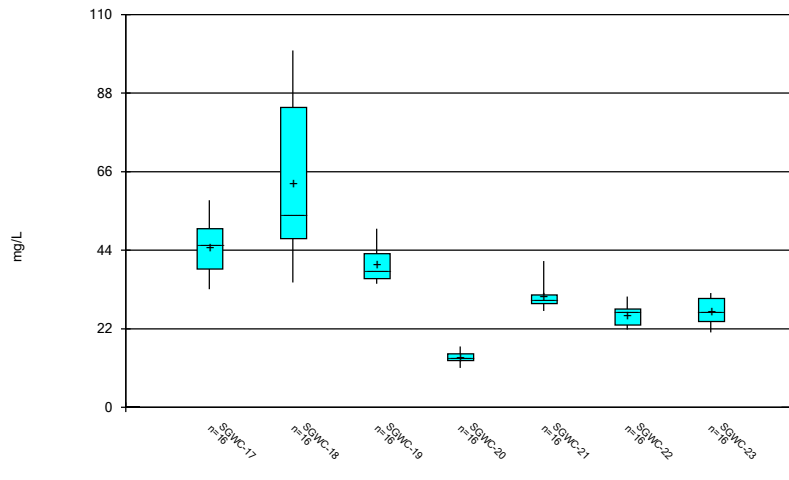
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Box & Whiskers Plot



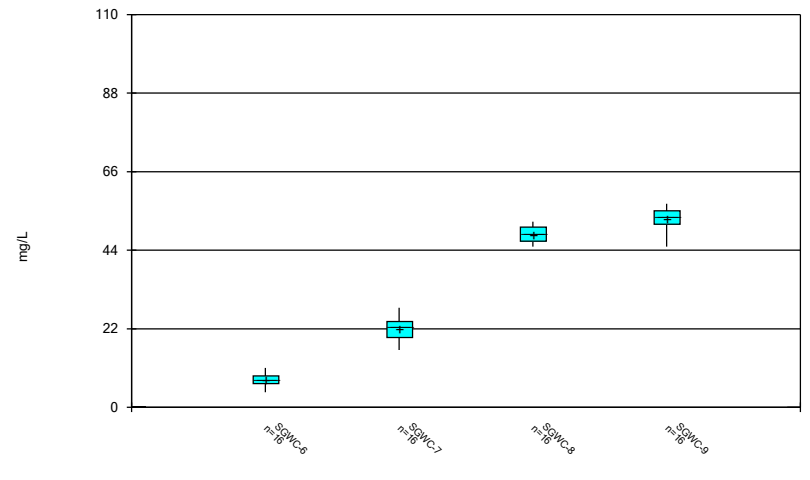
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Box & Whiskers Plot



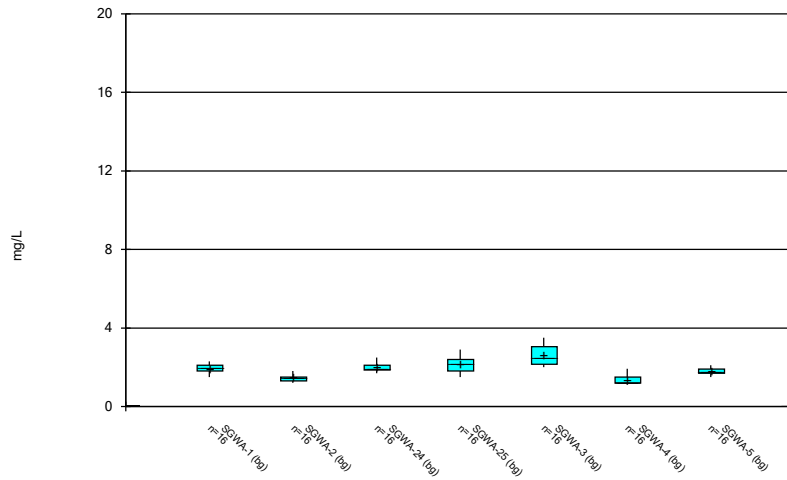
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Box & Whiskers Plot



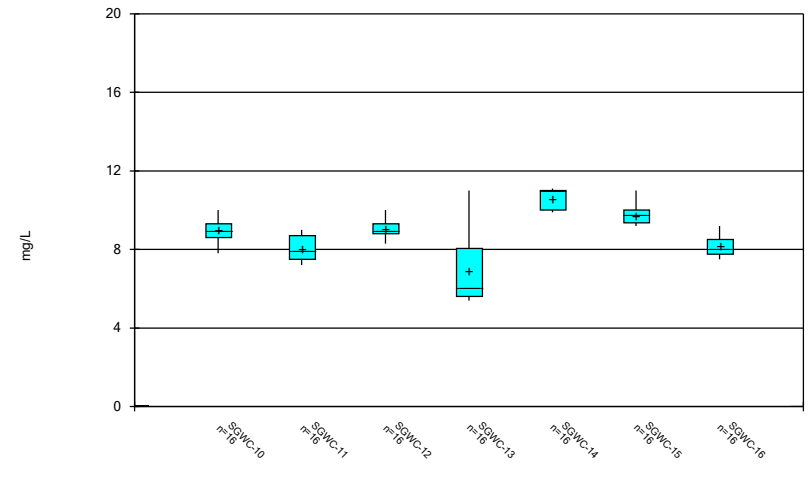
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Box & Whiskers Plot



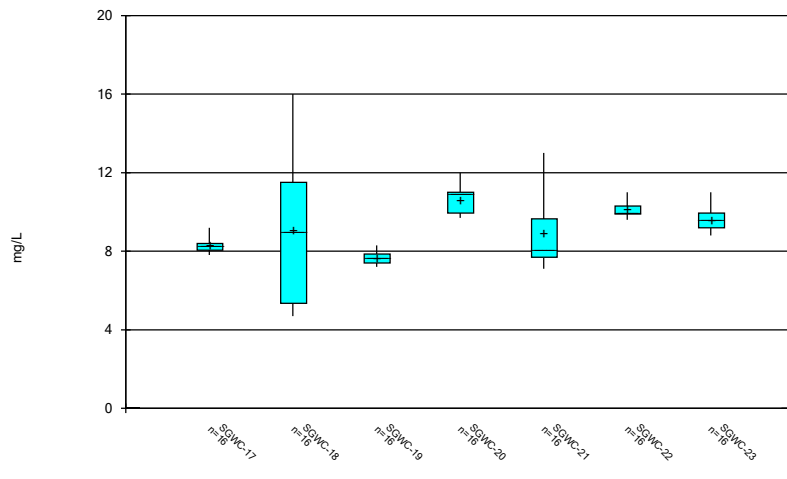
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Box & Whiskers Plot



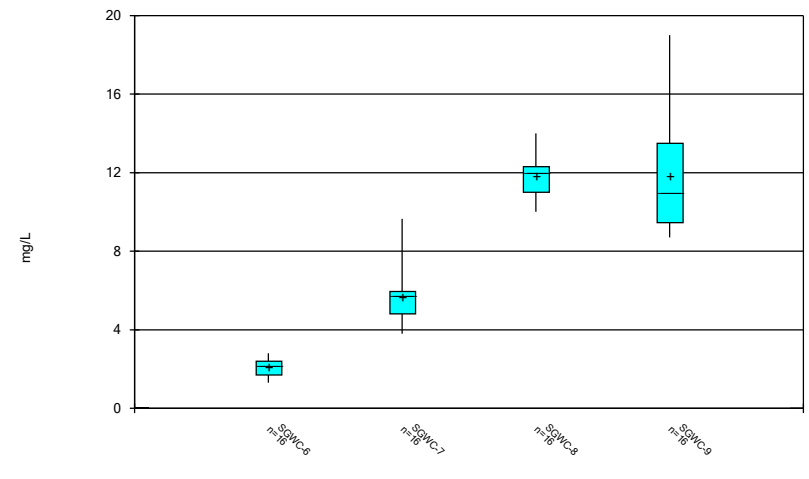
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Box & Whiskers Plot



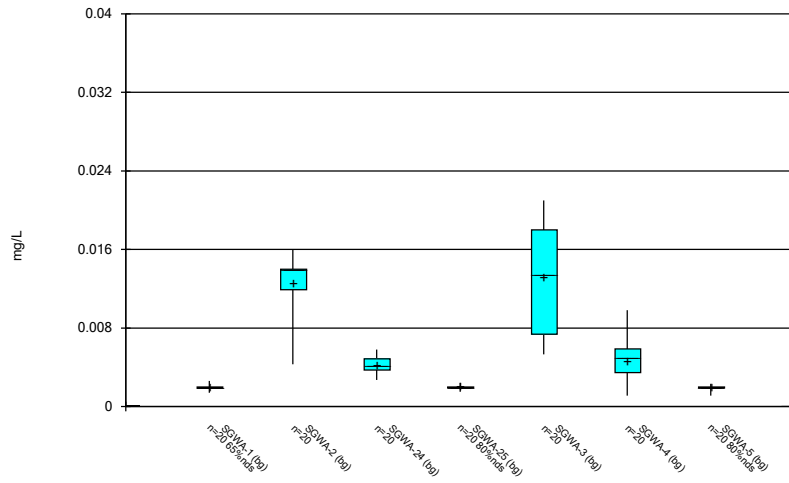
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Box & Whiskers Plot



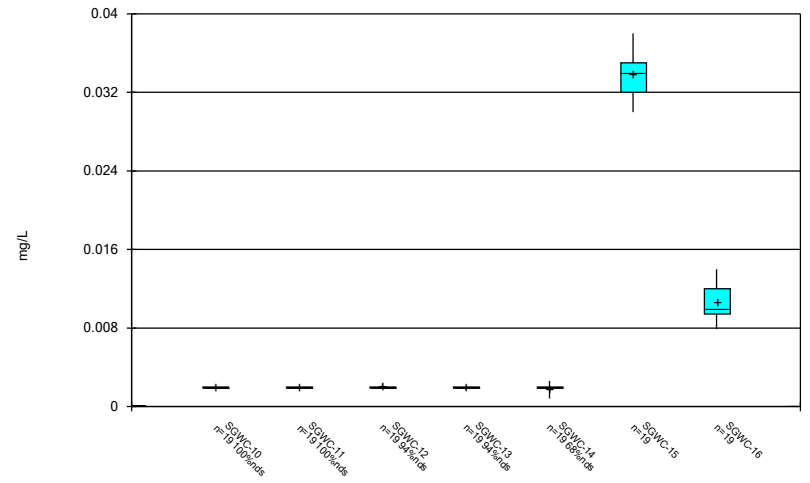
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Box & Whiskers Plot



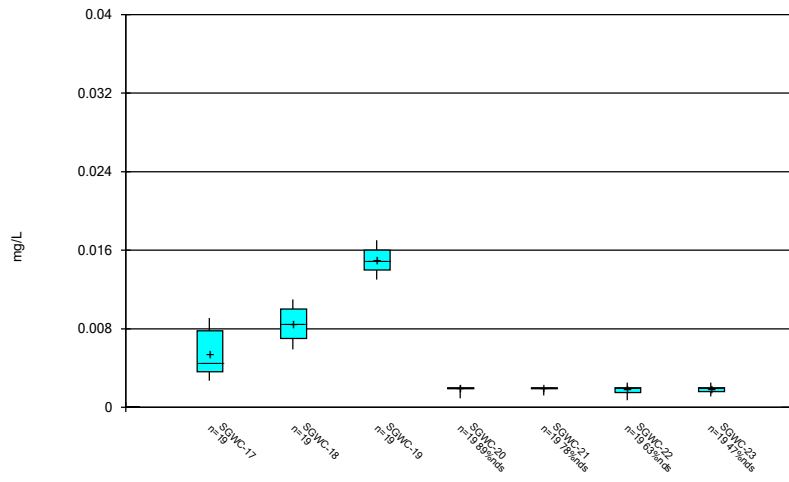
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Box & Whiskers Plot



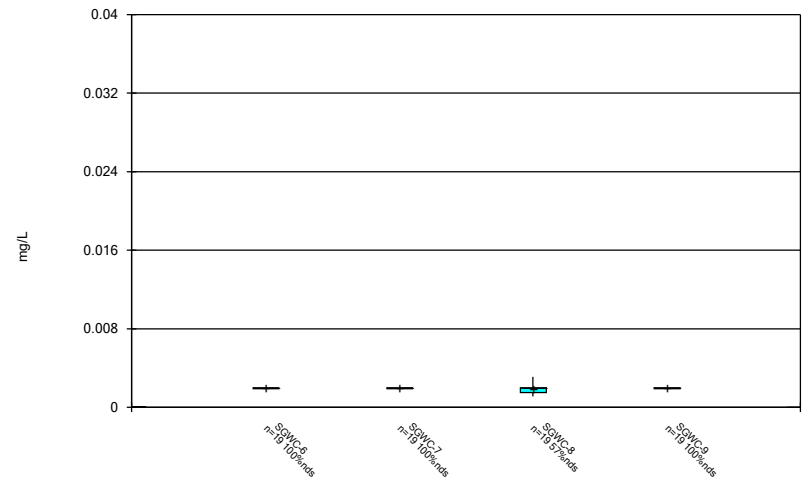
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Box & Whiskers Plot



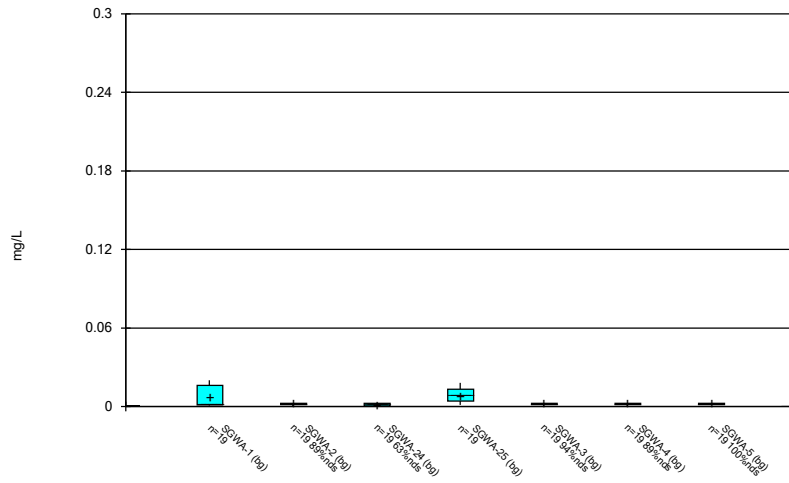
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Box & Whiskers Plot



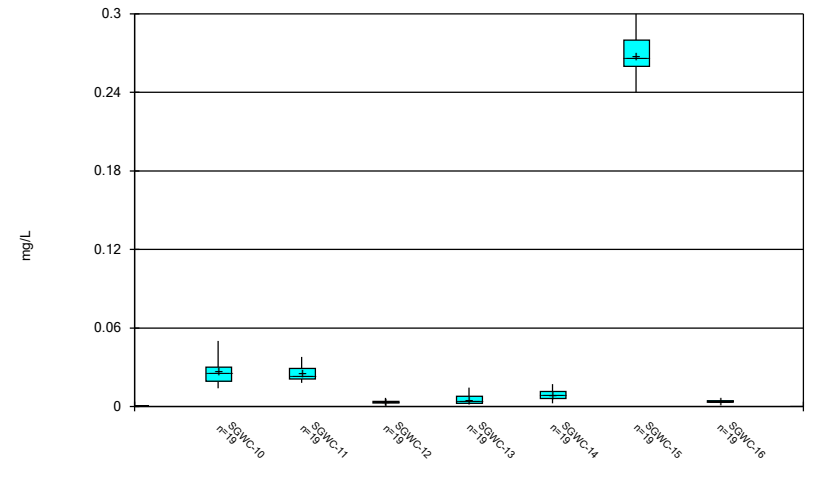
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### Box & Whiskers Plot



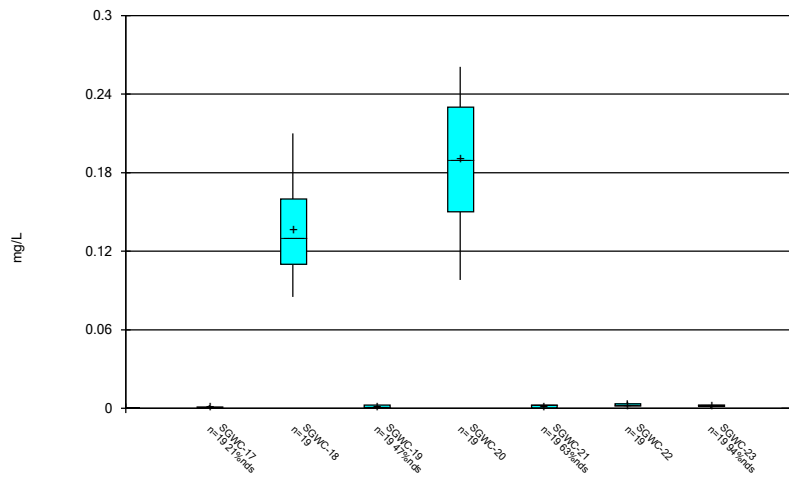
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### Box & Whiskers Plot



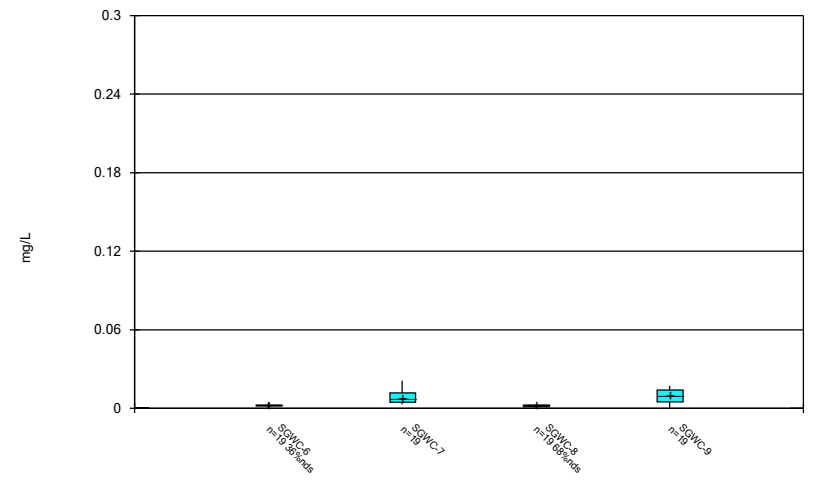
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### Box & Whiskers Plot



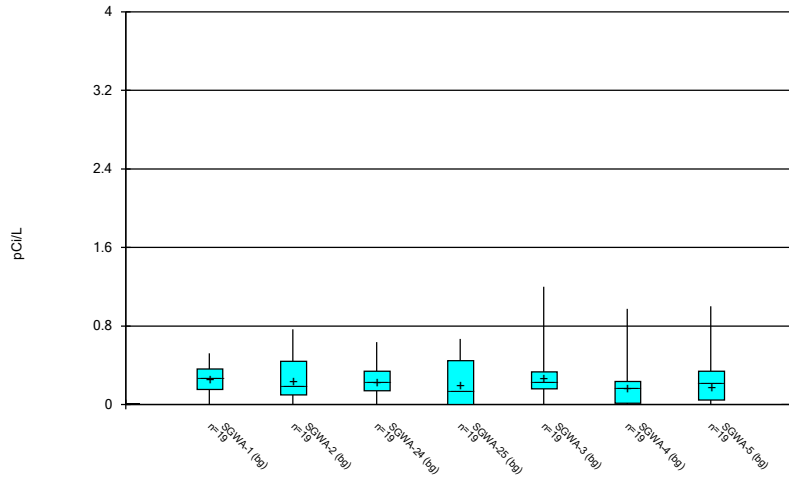
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### Box & Whiskers Plot



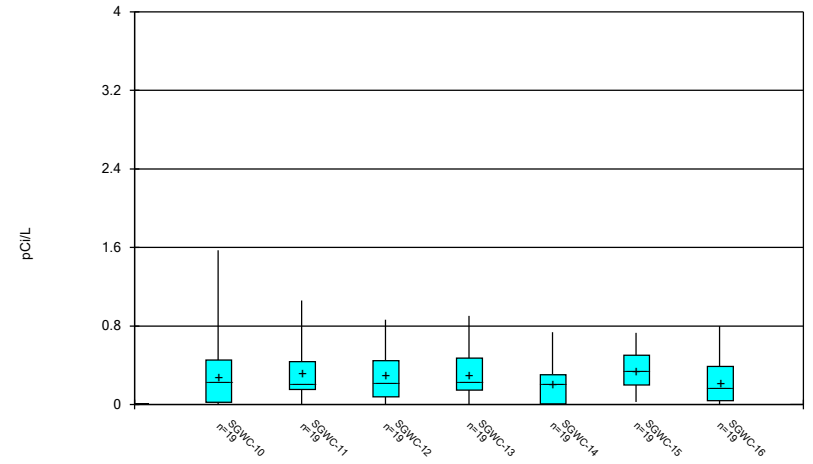
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Box & Whiskers Plot



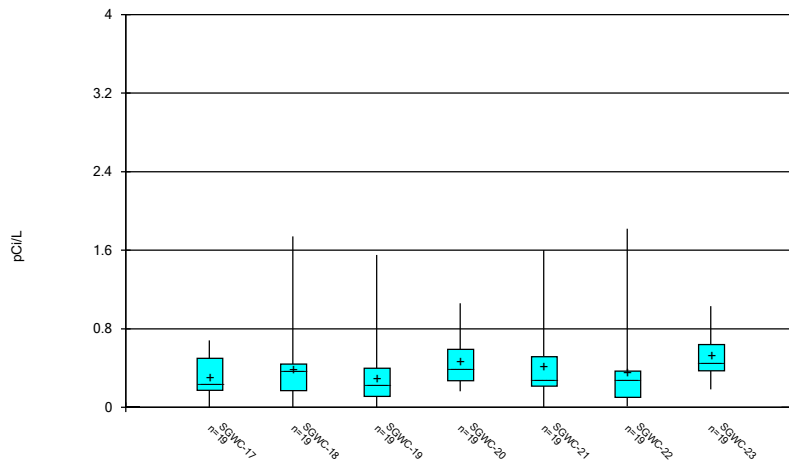
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Box & Whiskers Plot



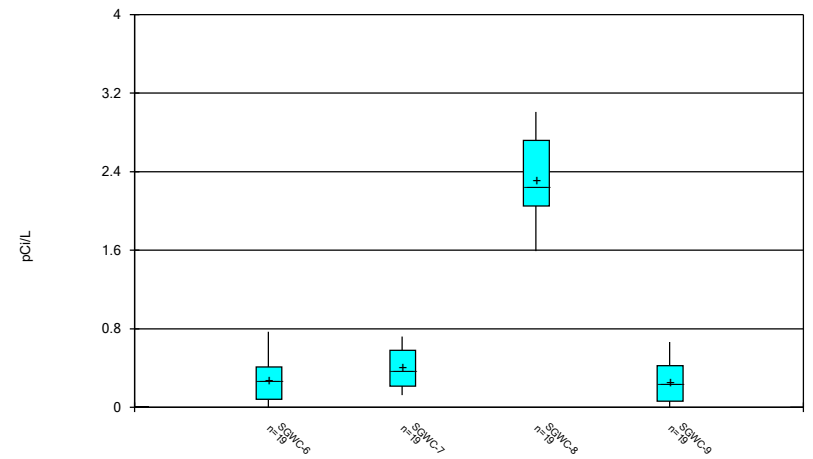
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Box & Whiskers Plot



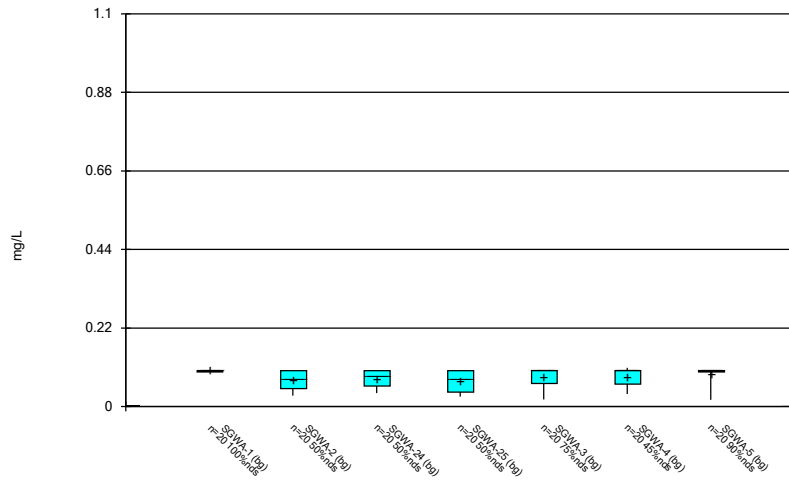
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Box & Whiskers Plot



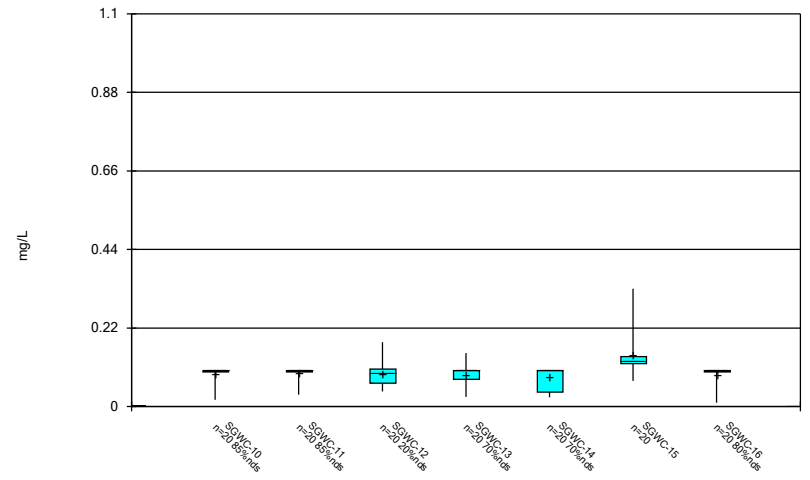
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Box & Whiskers Plot



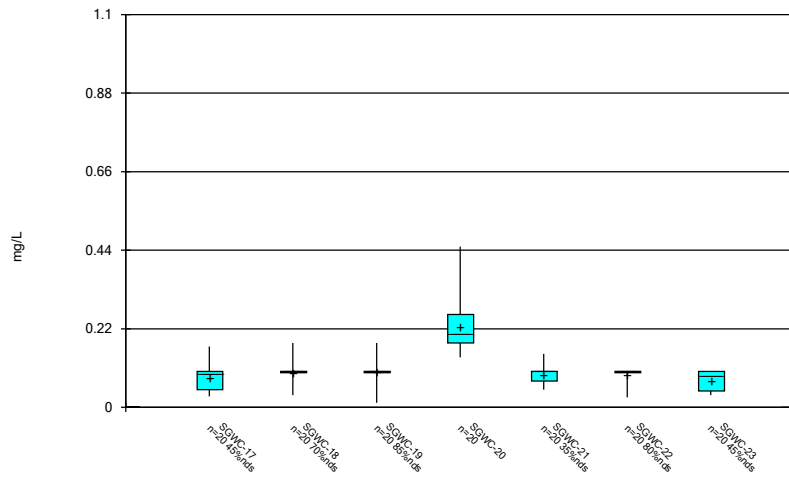
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Box & Whiskers Plot



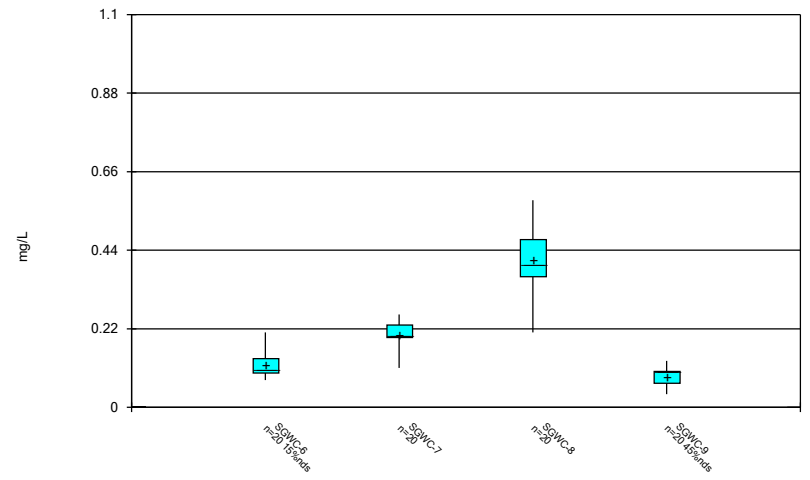
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Box & Whiskers Plot



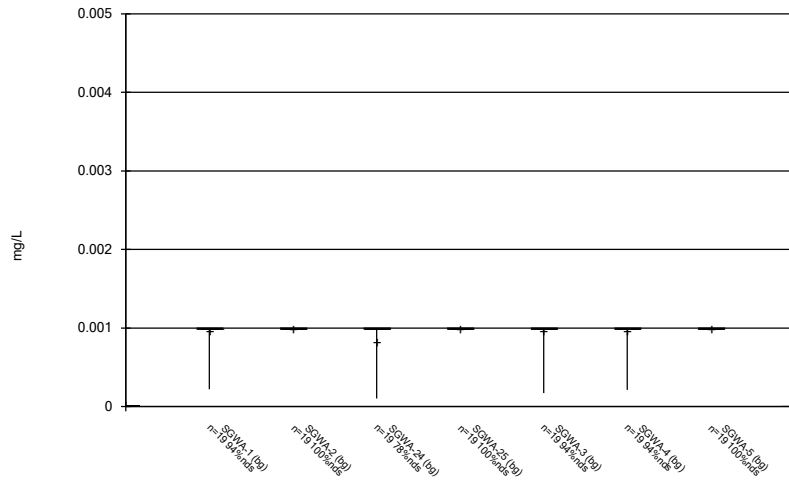
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Box & Whiskers Plot



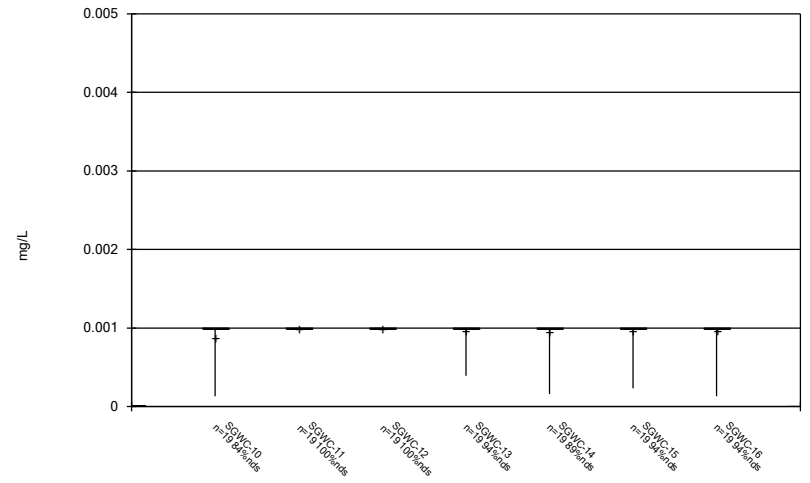
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Box & Whiskers Plot



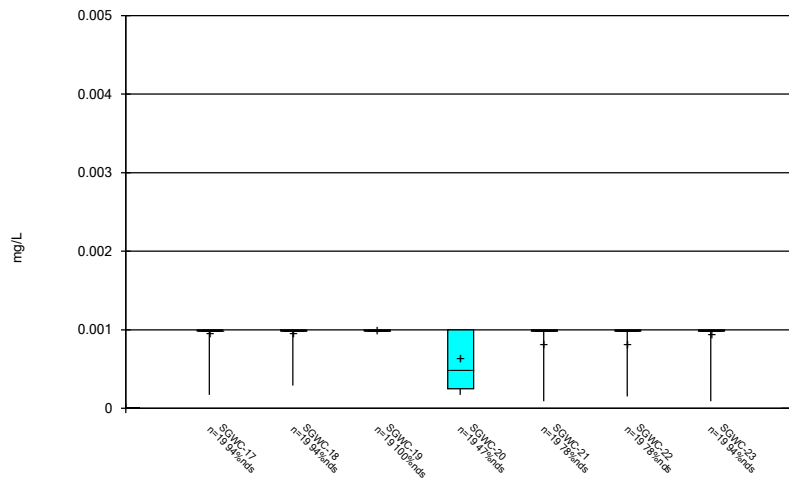
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Box & Whiskers Plot



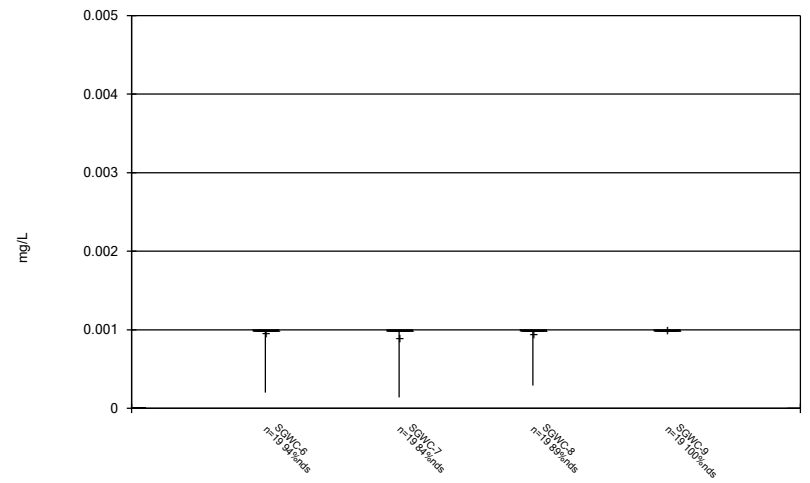
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Box & Whiskers Plot



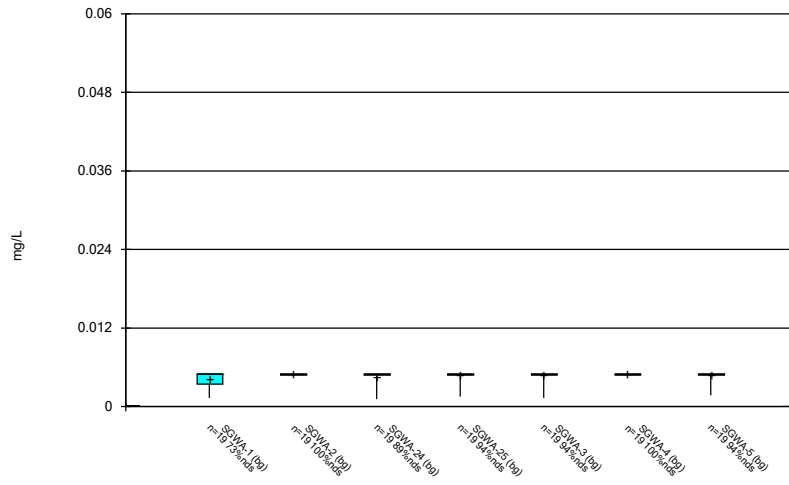
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Box & Whiskers Plot



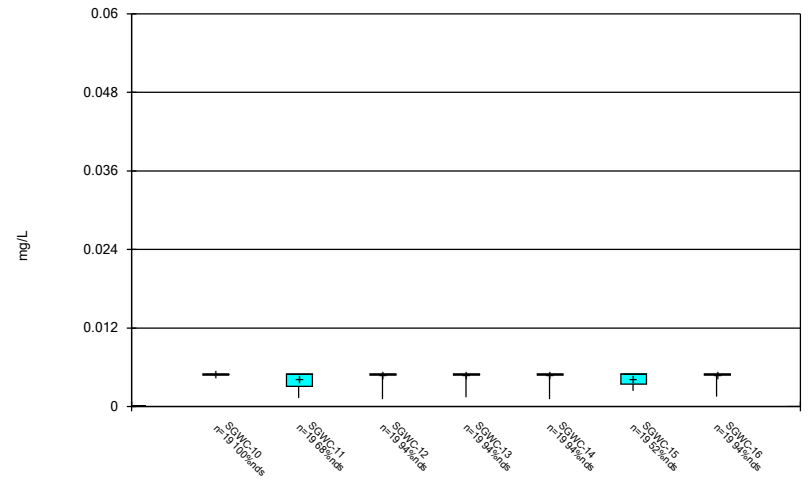
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Box & Whiskers Plot



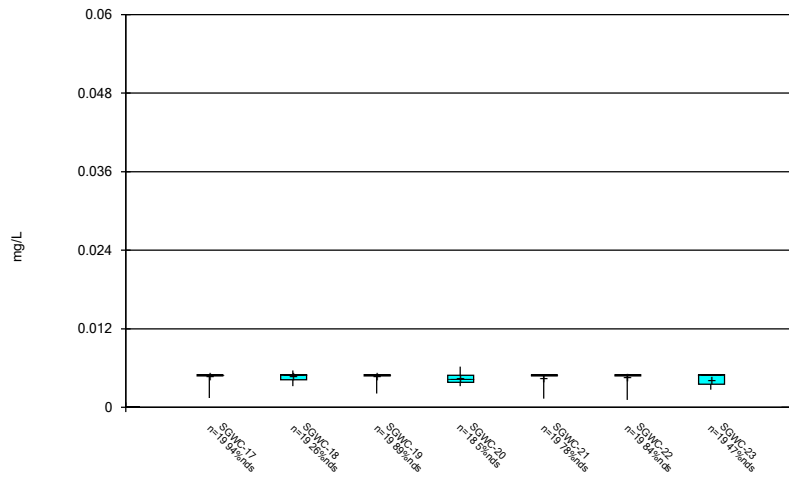
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Box & Whiskers Plot



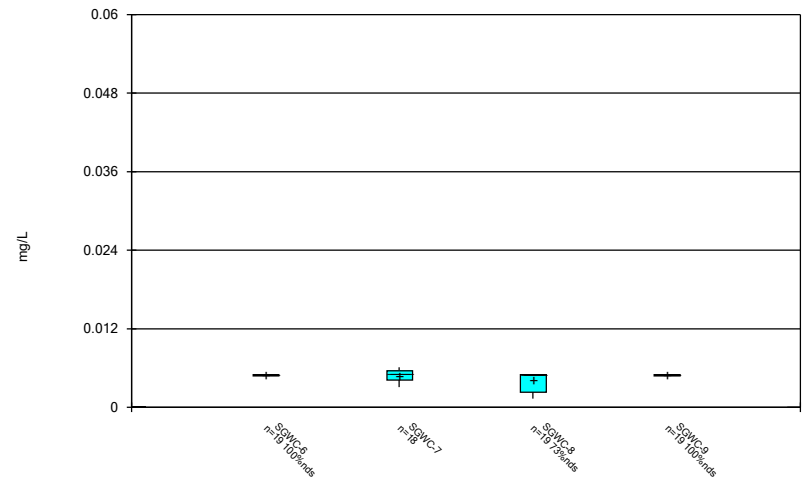
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Box & Whiskers Plot



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Plant Scherer Client: Southern Company Data: Scherer AP

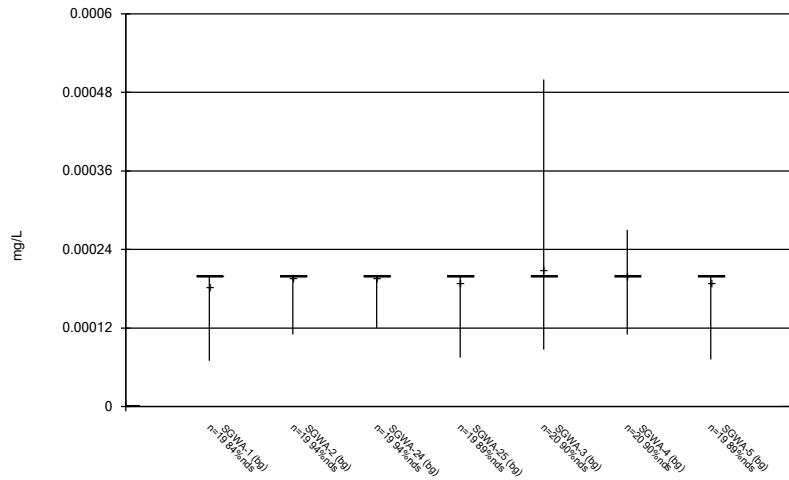
Box & Whiskers Plot



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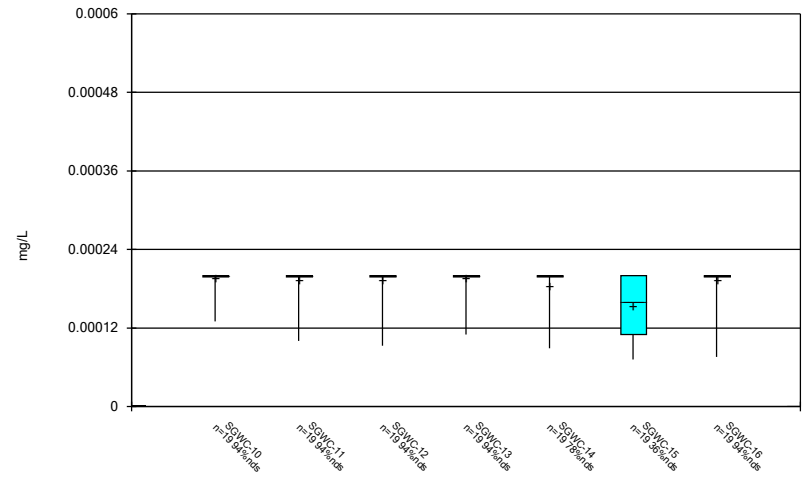


Box & Whiskers Plot



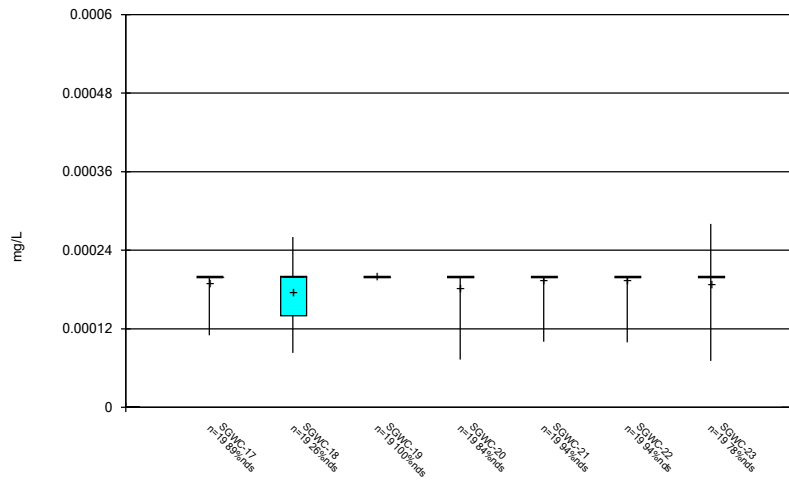
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Box & Whiskers Plot



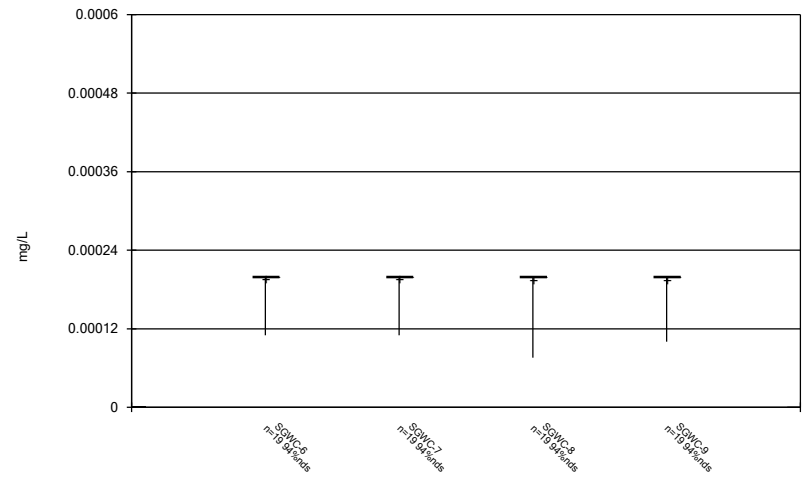
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Box & Whiskers Plot



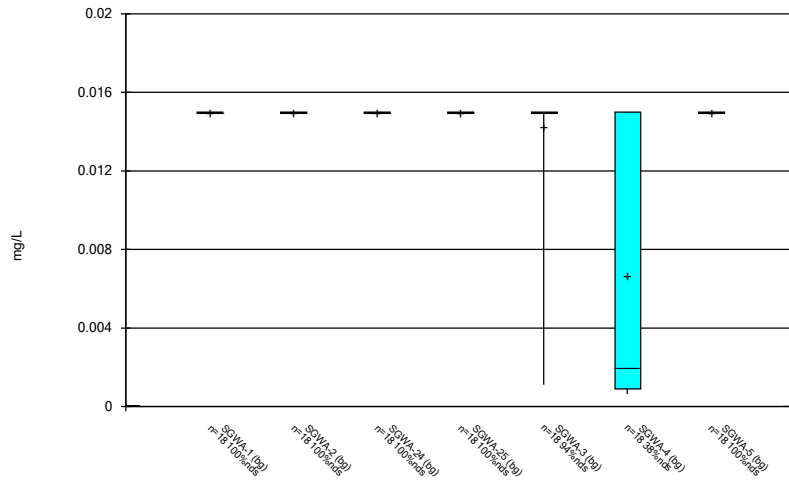
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Box & Whiskers Plot



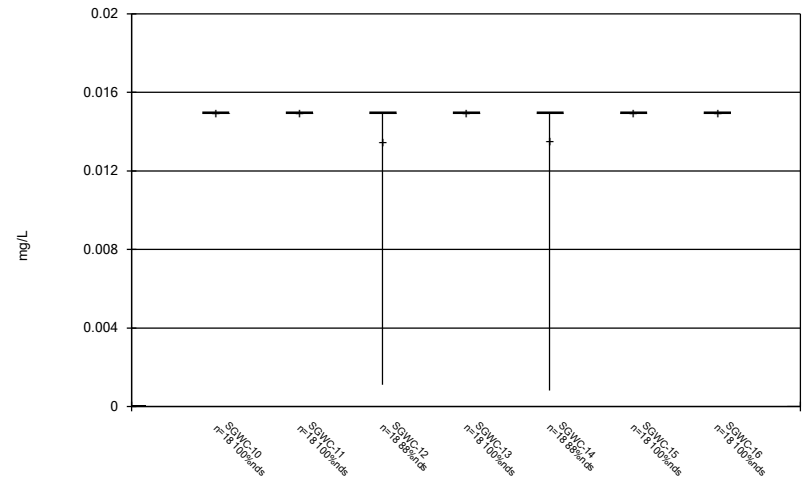
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Box & Whiskers Plot



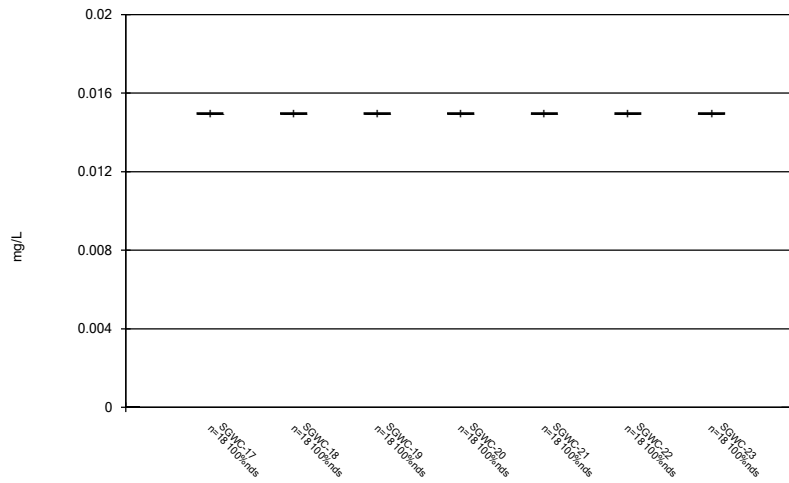
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



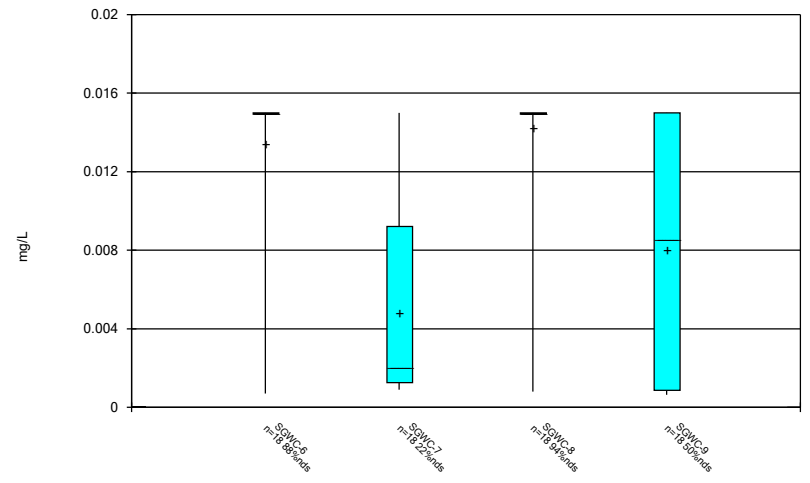
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Box & Whiskers Plot



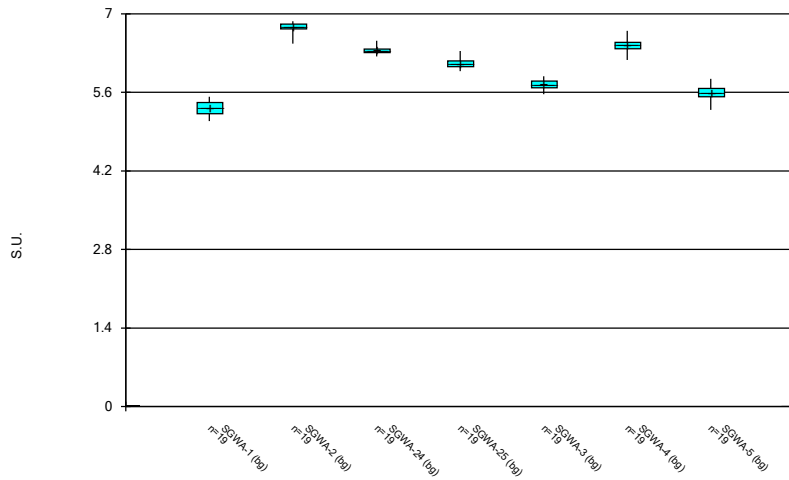
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Box & Whiskers Plot



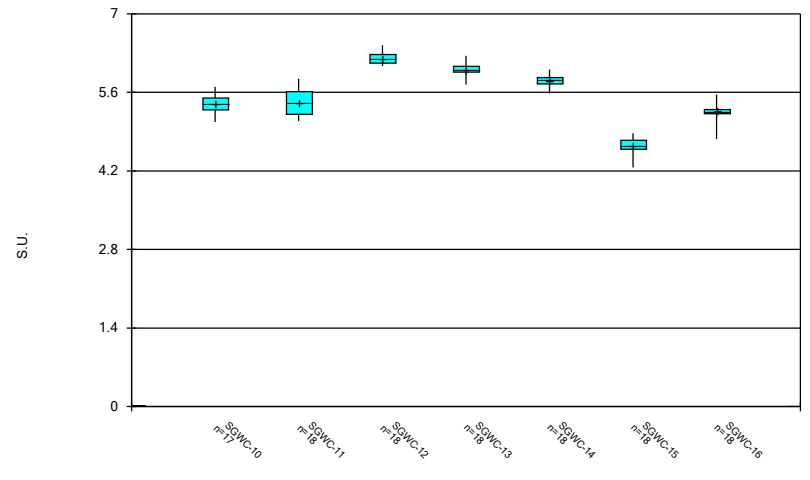
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Box & Whiskers Plot



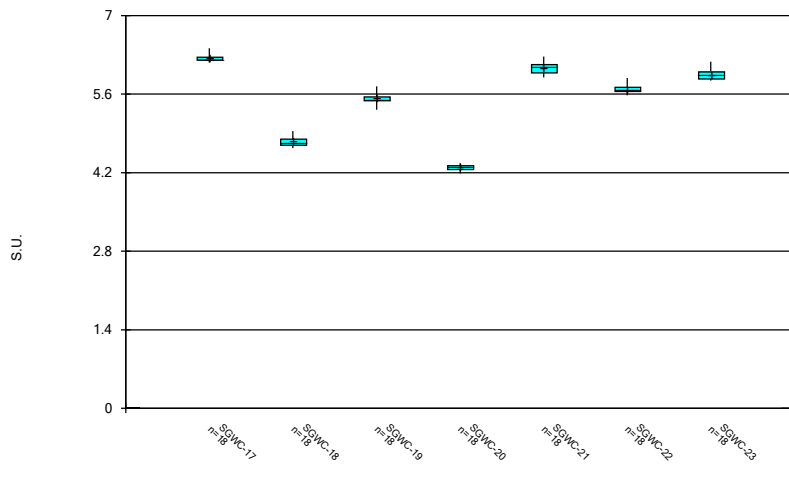
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Box & Whiskers Plot



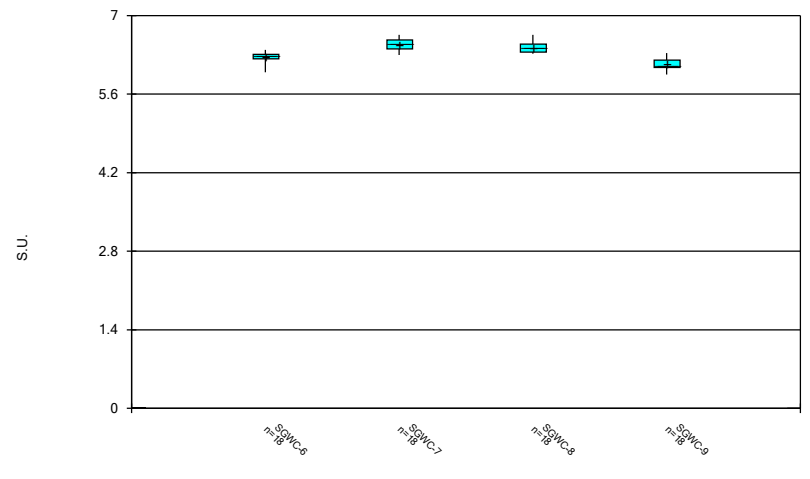
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Box & Whiskers Plot



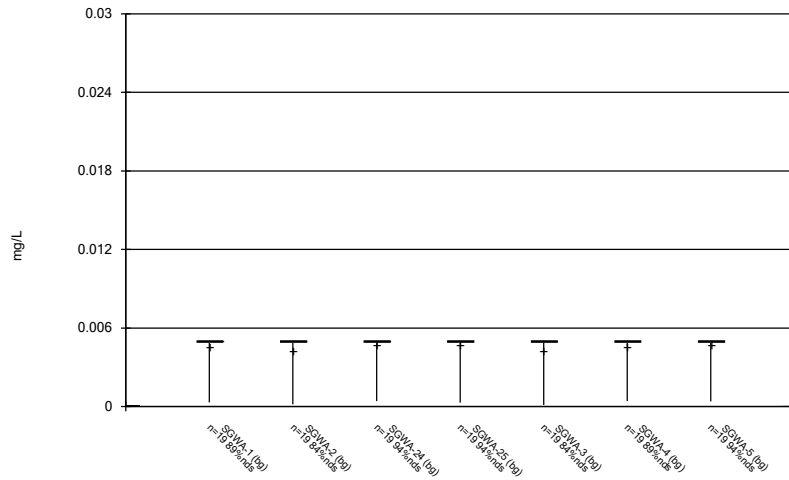
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



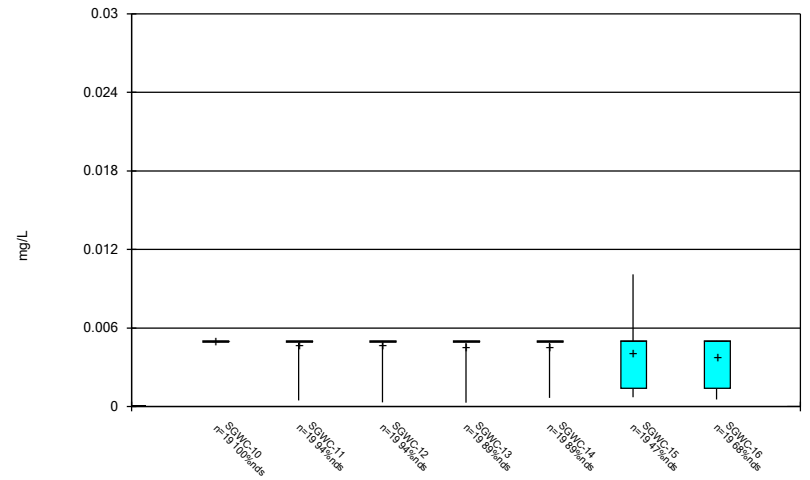
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



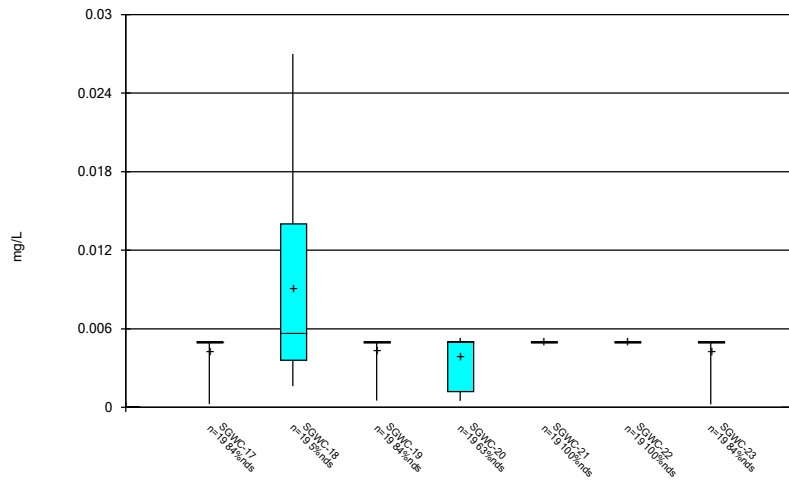
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



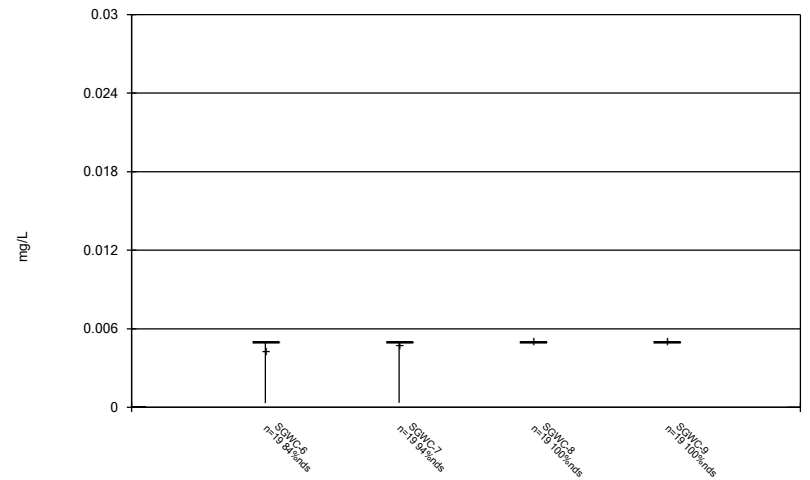
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



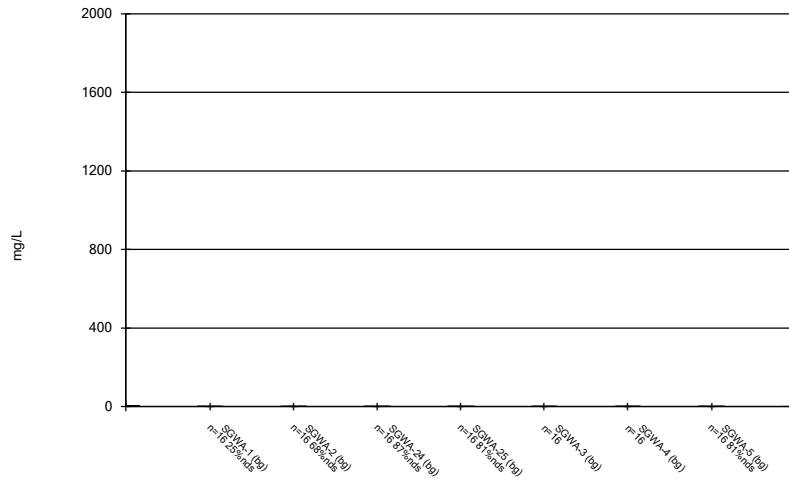
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



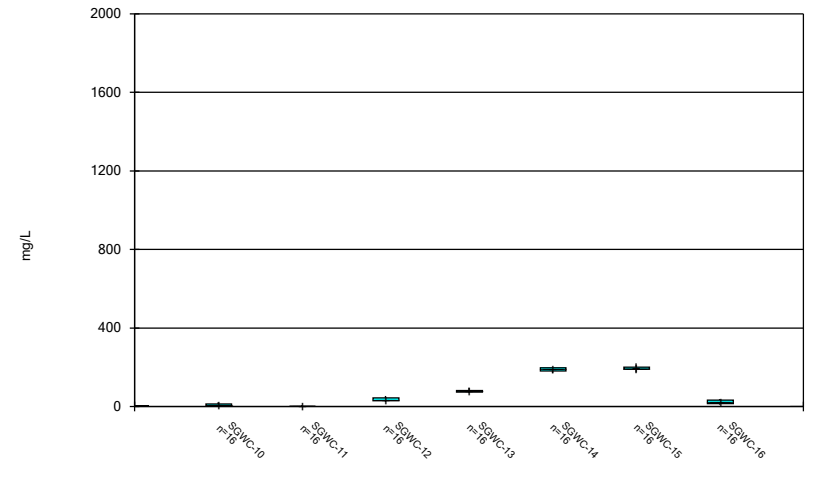
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



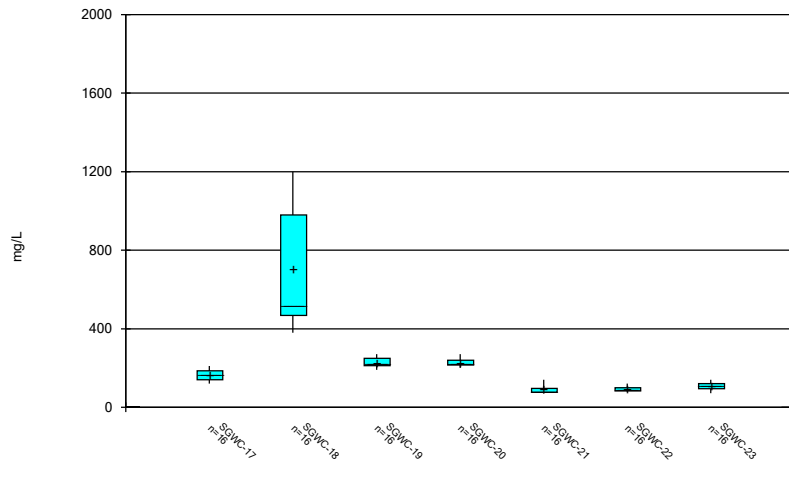
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



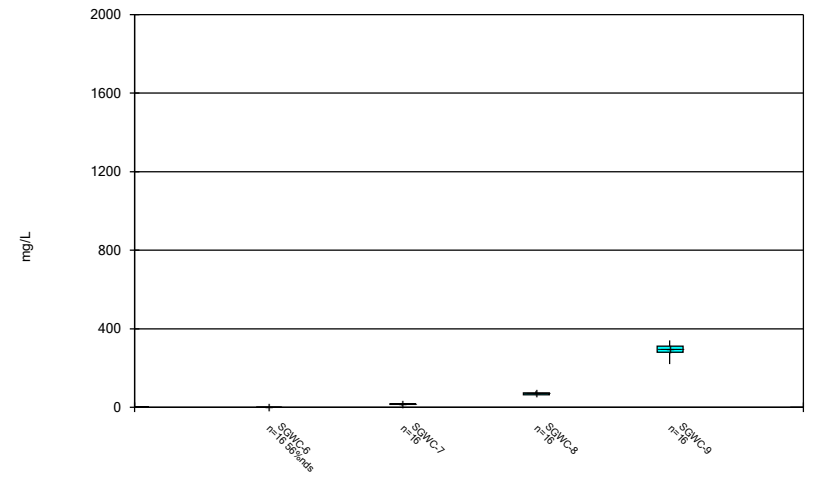
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



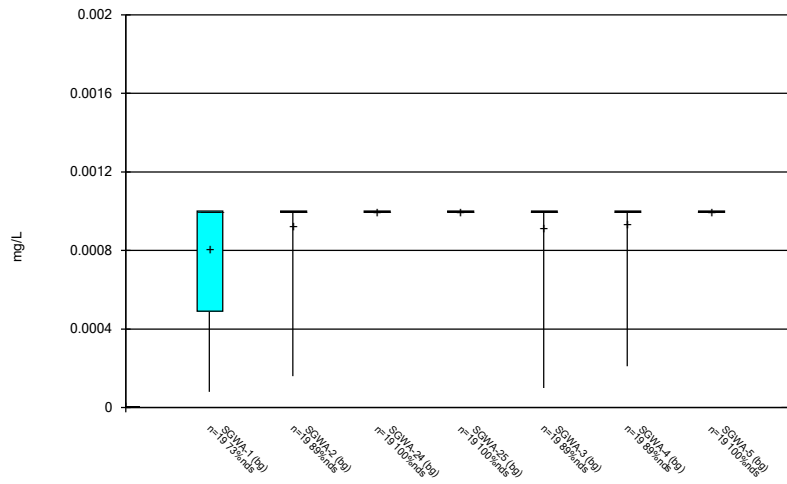
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



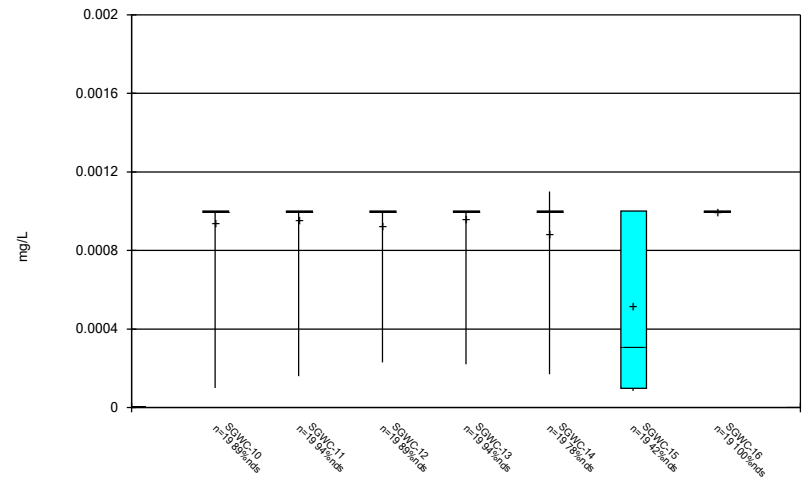
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Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



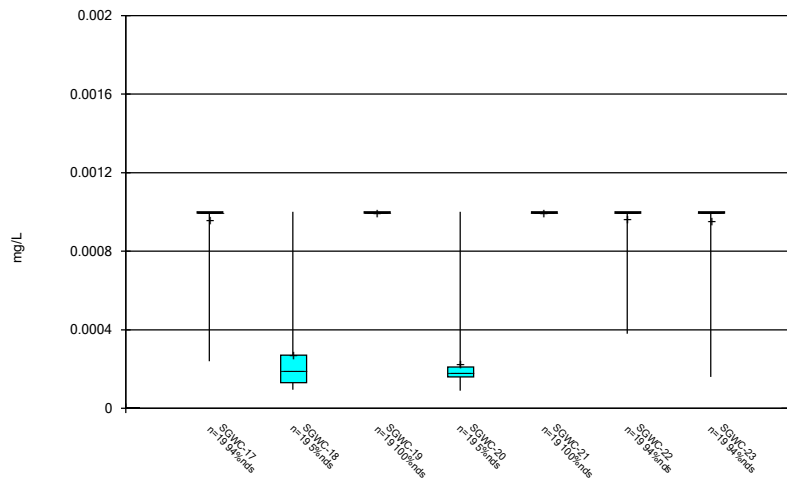
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



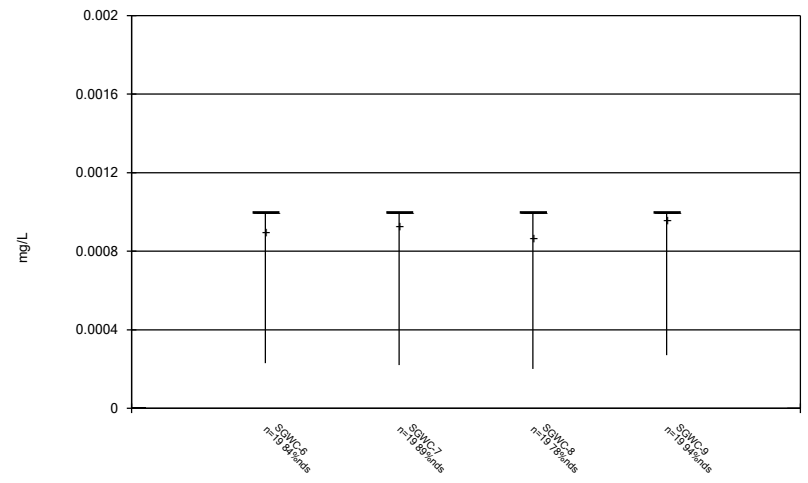
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



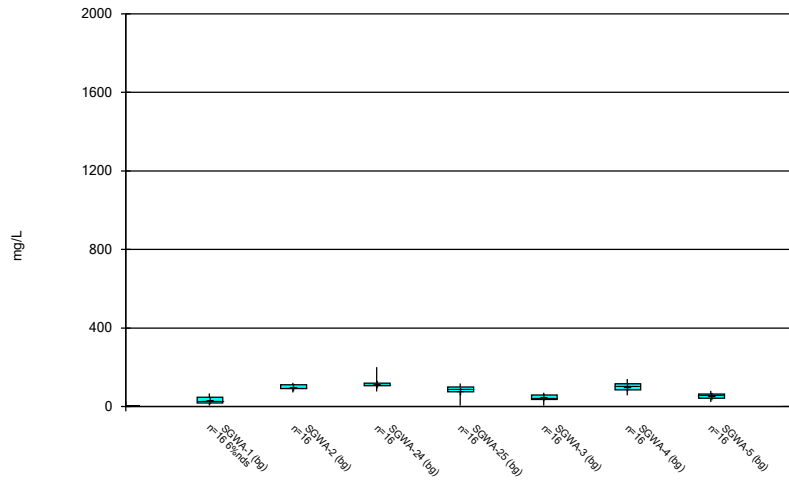
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 Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



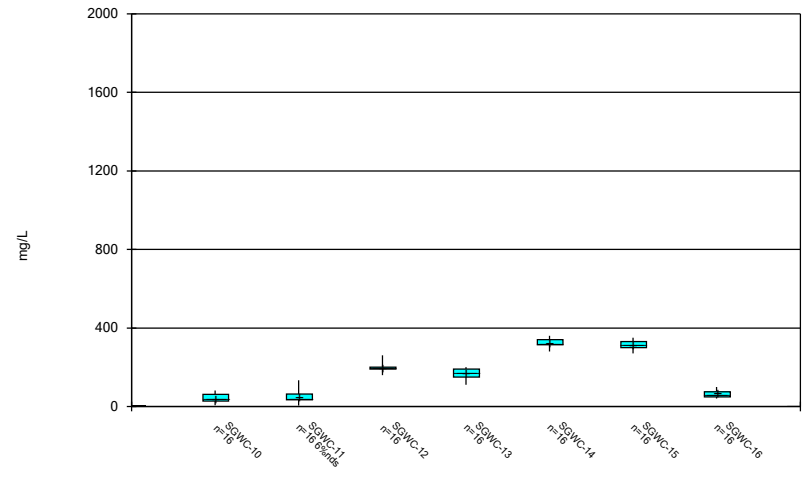
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 Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



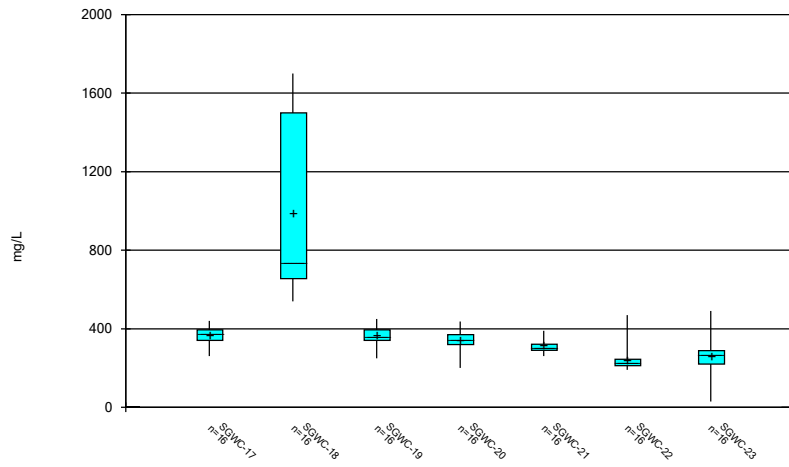
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Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



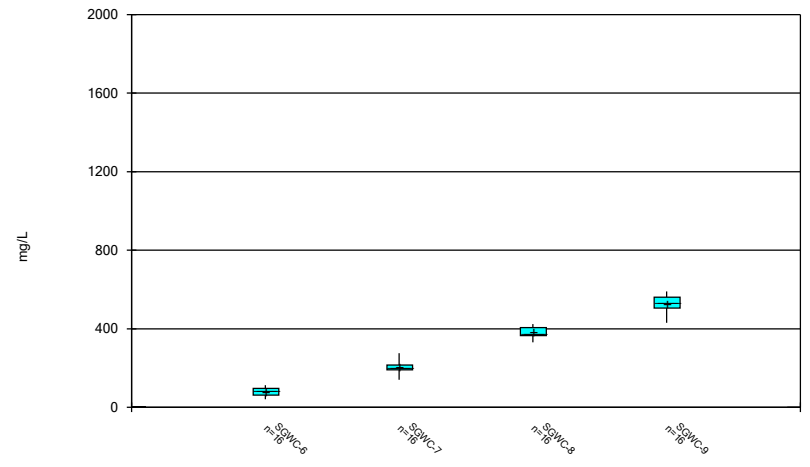
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV  
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE C.



# Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/4/2021, 11:52 AM

	SGWC-20 Lithium (mg/L)	SGWC-7 Lithium (mg/L)
5/11/2016		<0.05 (O)
5/12/2016	<0.05 (O)	

FIGURE D.

# Interwell Prediction Limit - Significant Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/4/2021, 11:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	SGWC-10	0.13	n/a	3/31/2021	0.15	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-11	0.13	n/a	4/7/2021	0.68	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	4/7/2021	0.59	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	4/6/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	3/31/2021	1.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	4/1/2021	0.55	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	4/1/2021	0.31	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	3/30/2021	6.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	3/30/2021	1.9	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	3/30/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	3/30/2021	1.1	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	3/31/2021	0.47	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	3/31/2021	0.51	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	4/1/2021	0.14	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	3/31/2021	1.5	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	4/7/2021	23	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	4/6/2021	42	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	4/1/2021	57	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	3/30/2021	68	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	3/30/2021	50	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	3/30/2021	41	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	3/31/2021	30	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	3/31/2021	24	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	4/1/2021	22	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	4/1/2021	52	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	3/31/2021	47	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.116	n/a	3/31/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.116	n/a	4/7/2021	8.8	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.116	n/a	4/7/2021	9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.116	n/a	4/7/2021	10	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.116	n/a	4/6/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.116	n/a	3/30/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.116	n/a	3/30/2021	8.3	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.116	n/a	3/30/2021	9.9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.116	n/a	3/30/2021	13	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.116	n/a	4/1/2021	6	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.116	n/a	4/1/2021	12	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.116	n/a	3/31/2021	16	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.108	n/a	3/31/2021	0.12	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.108	n/a	3/30/2021	0.18	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.108	n/a	4/1/2021	0.14	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.108	n/a	4/1/2021	0.25	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.108	n/a	4/1/2021	0.38	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	3/31/2021	4.77	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	3/30/2021	4.82	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	3/30/2021	4.32	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	3/31/2021	15	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	4/7/2021	54	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	4/7/2021	96	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	4/6/2021	190	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	3/31/2021	200	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	4/1/2021	37	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	4/1/2021	210	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	3/30/2021	960	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	3/30/2021	270	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	3/30/2021	220	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	3/30/2021	140	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	3/31/2021	120	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	3/31/2021	75	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	4/1/2021	18	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	4/1/2021	74	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	3/31/2021	240	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	4/7/2021	210	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2

# Interwell Prediction Limit - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/4/2021, 11:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	4/6/2021	320	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	3/31/2021	300	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	4/1/2021	410	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	3/30/2021	1500	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	3/30/2021	420	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	3/30/2021	350	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	3/30/2021	380	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	3/31/2021	240	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	3/31/2021	220	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	4/1/2021	360	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	3/31/2021	430	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568 NP Inter (normality) 1 of 2

# Appendix III Interwell Prediction Limit - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:25 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	SGWC-10	0.13	n/a	3/31/2021	0.15	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-11	0.13	n/a	4/7/2021	0.68	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-12	0.13	n/a	4/7/2021	0.08ND	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	4/7/2021	0.59	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	4/6/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	3/31/2021	1.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	4/1/2021	0.55	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	4/1/2021	0.31	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	3/30/2021	6.4	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	3/30/2021	1.9	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	3/30/2021	1.6	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	3/30/2021	1.1	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	3/31/2021	0.47	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	3/31/2021	0.51	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-6	0.13	n/a	4/1/2021	0.08ND	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	4/1/2021	0.069J	No	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	4/1/2021	0.14	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	3/31/2021	1.5	Yes	112	n/a	n/a	91.96	n/a	n/a	0.0001568	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-10	19	n/a	3/31/2021	2.3	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	4/7/2021	1.9	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	4/7/2021	23	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-13	19	n/a	4/7/2021	19	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	4/6/2021	42	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-15	19	n/a	3/31/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	4/1/2021	1.2	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	4/1/2021	57	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	3/30/2021	68	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	3/30/2021	50	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-20	19	n/a	3/30/2021	14	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	3/30/2021	41	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	3/31/2021	30	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	3/31/2021	24	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-6	19	n/a	4/1/2021	11	No	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	4/1/2021	22	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	4/1/2021	52	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	3/31/2021	47	Yes	112	n/a	n/a	0	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.116	n/a	3/31/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.116	n/a	4/7/2021	8.8	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.116	n/a	4/7/2021	9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.116	n/a	4/7/2021	10	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.116	n/a	4/6/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.116	n/a	4/1/2021	9.2	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.116	n/a	3/30/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.116	n/a	3/30/2021	8.3	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.116	n/a	3/30/2021	9.9	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.116	n/a	3/30/2021	13	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.116	n/a	3/31/2021	11	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-6	3.116	n/a	4/1/2021	2.4	No	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.116	n/a	4/1/2021	6	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.116	n/a	4/1/2021	12	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.116	n/a	3/31/2021	16	Yes	112	0.6079	0.2521	0	None	ln(x)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-10	0.108	n/a	3/31/2021	0.047J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.108	n/a	4/7/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.108	n/a	4/7/2021	0.066J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.108	n/a	4/7/2021	0.053J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.108	n/a	4/6/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.108	n/a	3/31/2021	0.12	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.108	n/a	4/1/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.108	n/a	4/1/2021	0.051J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.108	n/a	3/30/2021	0.1J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-19	0.108	n/a	3/30/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.108	n/a	3/30/2021	0.18	Yes	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-21	0.108	n/a	3/30/2021	0.074J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.108	n/a	3/31/2021	0.1ND	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.108	n/a	3/31/2021	0.046J	No	140	n/a	n/a	65.71	n/a	n/a	0.00009905	NP Inter (NDs) 1 of 2

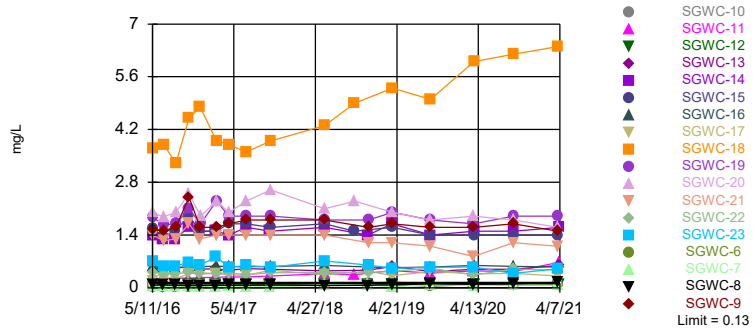
# Appendix III Interwell Prediction Limit - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:25 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-6	0.108	n/a	4/1/2021	0.14	Yes	140	n/a	n/a	65.71	n/a	n/a	0.0009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.108	n/a	4/1/2021	0.25	Yes	140	n/a	n/a	65.71	n/a	n/a	0.0009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.108	n/a	4/1/2021	0.38	Yes	140	n/a	n/a	65.71	n/a	n/a	0.0009905	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-9	0.108	n/a	3/31/2021	0.073J	No	140	n/a	n/a	65.71	n/a	n/a	0.0009905	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	6.87	5.09	3/31/2021	5.3	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	6.87	5.09	4/7/2021	5.18	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	6.87	5.09	4/7/2021	6.44	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	6.87	5.09	4/7/2021	6.07	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	6.87	5.09	4/6/2021	5.84	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	3/31/2021	4.77	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-16	6.87	5.09	4/1/2021	5.24	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	6.87	5.09	4/1/2021	6.25	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	3/30/2021	4.82	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-19	6.87	5.09	3/30/2021	5.57	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	3/30/2021	4.32	Yes	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-21	6.87	5.09	3/30/2021	6.17	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	6.87	5.09	3/31/2021	5.73	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	6.87	5.09	3/31/2021	5.93	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	6.87	5.09	4/1/2021	6.31	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	6.87	5.09	4/1/2021	6.44	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	6.87	5.09	4/1/2021	6.32	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	6.87	5.09	3/31/2021	6.2	No	133	n/a	n/a	0	n/a	n/a	0.0002225	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	3/31/2021	15	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	4/7/2021	1.3	No	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	4/7/2021	54	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	4/7/2021	96	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	4/6/2021	190	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	3/31/2021	200	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	4/1/2021	37	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	4/1/2021	210	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	3/30/2021	960	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	3/30/2021	270	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	3/30/2021	220	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	3/30/2021	140	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	3/31/2021	120	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	3/31/2021	75	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	4/1/2021	1ND	No	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	4/1/2021	18	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	4/1/2021	74	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	3/31/2021	240	Yes	112	n/a	n/a	49.11	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	3/31/2021	64	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	4/7/2021	40	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	4/7/2021	210	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	4/7/2021	200	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	4/6/2021	320	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	3/31/2021	300	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	4/1/2021	88	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	4/1/2021	410	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	3/30/2021	1500	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	3/30/2021	420	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	3/30/2021	350	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	3/30/2021	380	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	3/31/2021	240	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	3/31/2021	220	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	4/1/2021	83	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	4/1/2021	200	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	4/1/2021	360	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	3/31/2021	430	Yes	112	n/a	n/a	0.8929	n/a	n/a	0.0001568	NP Inter (normality) 1 of 2

Exceeds Limit: SGWC-10, SGWC-11, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20...

Prediction Limit  
Interwell Non-parametric

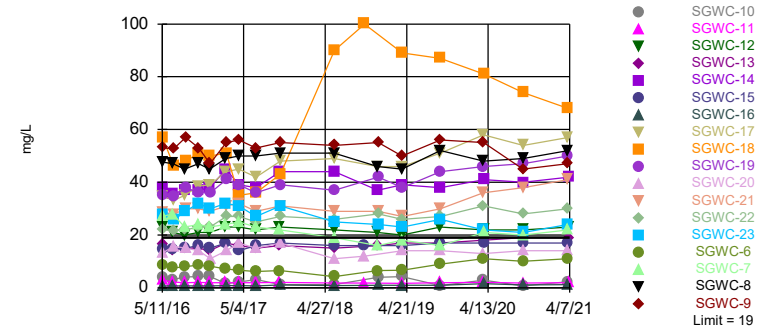


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 112 background values. 91.96% NDs. Annual per-constituent alpha = 0.005629. Individual comparison alpha = 0.0001568 (1 of 2). Comparing 18 points to limit.

Constituent: Boron, total Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Exceeds Limit: SGWC-12, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22, SGWC-23, SGWC-7, SGWC-8...

Prediction Limit  
Interwell Non-parametric

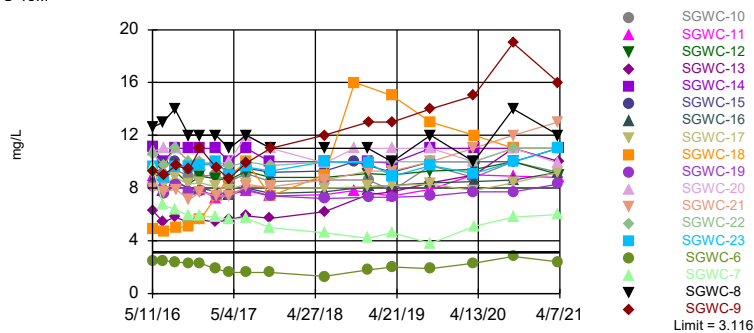


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. Annual per-constituent alpha = 0.005629. Individual comparison alpha = 0.0001568 (1 of 2). Comparing 18 points to limit.

Constituent: Calcium, total Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Exceeds Limit: SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19...

Prediction Limit  
Interwell Parametric

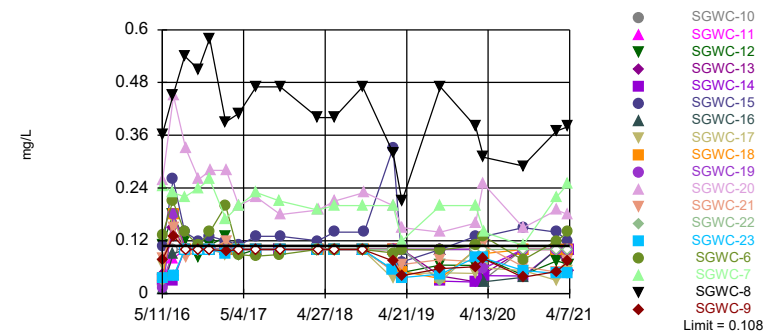


Background Data Summary (based on natural log transformation): Mean=0.6079, Std. Dev.=0.2521, n=112. Normality test: Chi Squared @alpha = 0.01, calculated = 10.5, critical = 14.07. Kappa = 2.096 (c=7, w=18, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000418. Comparing 18 points to limit.

Constituent: Chloride, Total Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Exceeds Limit: SGWC-15, SGWC-20, SGWC-6, SGWC-7, SGWC-8

Prediction Limit  
Interwell Non-parametric

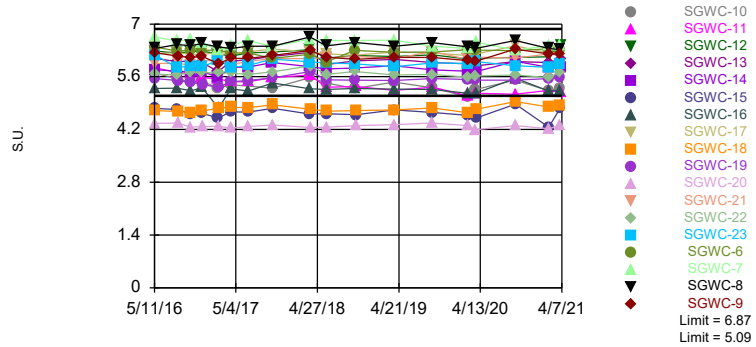


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 140 background values. 65.71% NDs. Annual per-constituent alpha = 0.000356. Individual comparison alpha = 0.00009905 (1 of 2). Comparing 18 points to limit.

Constituent: Fluoride, total Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Exceeds Limits: SGWC-15, SGWC-18, SGWC-20

Prediction Limit  
Interwell Non-parametric

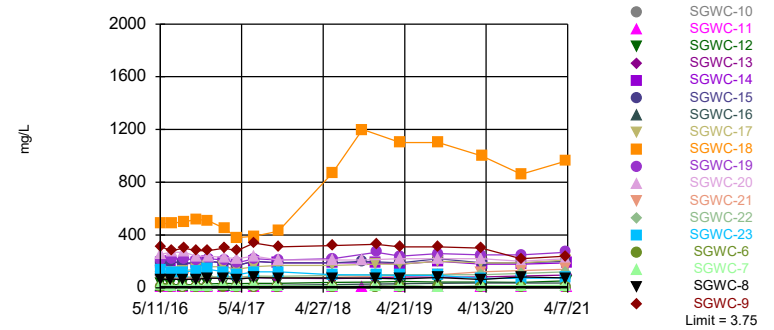


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 233 background values. Annual per-constituent alpha = 0.007996. Individual comparison alpha = 0.0002225 (1 of 2). Comparing 18 points to limit.

Constituent: pH Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Exceeds Limit: SGWC-10, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20...

Prediction Limit  
Interwell Non-parametric



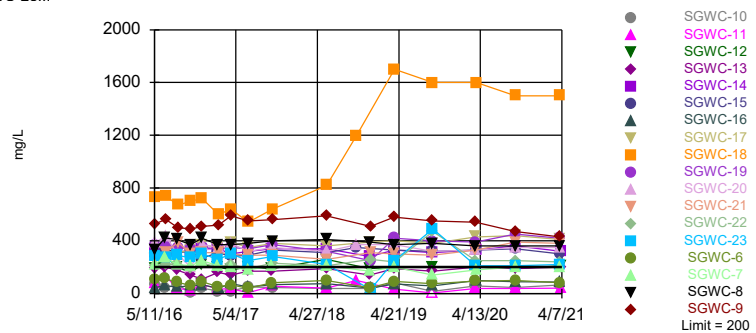
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 49.11% NDs. Annual per-constituent alpha = 0.005629. Individual comparison alpha = 0.0001568 (1 of 2). Comparing 18 points to limit.

Constituent: Sulfate, total Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Hollow symbols indicate censored values.

Exceeds Limit: SGWC-12, SGWC-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23...

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 112 background values. 0.8929% NDs. Annual per-constituent alpha = 0.005629. Individual comparison alpha = 0.0001568 (1 of 2). Comparing 18 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:13 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
5/11/2016							0.242	0.0275 (J)	<0.08
5/12/2016									
5/13/2016									
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)							
6/28/2016							0.245	0.035 (J)	
6/29/2016									
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)	<0.08
8/18/2016									
8/19/2016									
8/22/2016									
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)	<0.08
10/18/2016									
10/19/2016									
12/5/2016					<0.08				
12/6/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.27	<0.08	<0.08
12/7/2016									
12/8/2016									
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			<0.08
2/15/2017							0.28	0.035 (J)	
2/16/2017									
4/10/2017					<0.08				
4/11/2017	<0.08	<0.08	<0.08	<0.08		<0.08			<0.08
4/12/2017							0.29	0.052	
4/13/2017									
6/26/2017	<0.08		<0.08	<0.08	<0.08	<0.08			<0.08
6/27/2017		<0.08					0.29	<0.08	
6/28/2017									
10/10/2017	<0.08		<0.08		<0.08				
10/11/2017		<0.08		<0.08		<0.08	0.31		<0.08
10/12/2017								0.049 (J)	
6/5/2018	<0.08	<0.08	<0.08		<0.08	<0.08			
6/6/2018				<0.08			0.37	0.07	<0.08
6/7/2018									
6/8/2018									
10/16/2018							0.35 (D)		
10/18/2018									
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			<0.08
12/14/2018									
12/17/2018								0.098	
3/28/2019		<0.08		<0.08		<0.08			<0.08
3/29/2019	<0.08		<0.08		<0.08				
4/1/2019							0.46	0.16	
4/2/2019									
9/12/2019						<0.08			
9/13/2019					<0.08				

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
9/16/2019	0.13	<0.08	0.089	0.05			0.39		<0.08
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				<0.08
3/23/2020									
3/24/2020									
3/25/2020							0.45	0.12	
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	<0.08
9/15/2020									
3/30/2021	0.041 (J)		0.045 (J)		0.072 (J)				
3/31/2021				<0.08		<0.08		0.15	<0.08
4/1/2021									
4/6/2021									
4/7/2021		<0.08					0.68		



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
9/16/2019	1.6	0.04 (J)		<0.08					
9/17/2019			<0.08		0.11	1.8	1.1	0.43	
9/18/2019									0.52
3/17/2020									
3/18/2020									
3/23/2020						1.9	0.83		
3/24/2020								0.37	0.34
3/25/2020	1.6	<0.08			0.089				
3/26/2020			0.055 (J)	<0.08					
3/27/2020									
9/14/2020	1.7	<0.08	<0.08	<0.08	0.1				
9/15/2020						1.8	1.2	0.38	0.5
3/30/2021						1.6	1.1		
3/31/2021	1.5								0.47
4/1/2021		<0.08	0.069 (J)		0.14			0.31	
4/6/2021									
4/7/2021				<0.08					

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.691	0.599	0.562	1.38	1.57		
5/13/2016						1.87	3.71
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		0.52	0.546	1.29	1.36		
6/29/2016	0.557					1.67	
6/30/2016							3.8
8/16/2016							
8/17/2016							
8/18/2016		0.51	0.54	1.3	1.5		
8/19/2016	0.58						
8/22/2016						1.7	3.3
10/13/2016							
10/14/2016							
10/17/2016		0.58		1.6			
10/18/2016	0.68		0.55		1.9	2.1	
10/19/2016							4.5
12/5/2016							
12/6/2016		0.5					
12/7/2016	0.6		0.56	1.5	1.5		4.8
12/8/2016						1.7	
2/14/2017							
2/15/2017	0.82	0.5		1.5	1.5		
2/16/2017			0.58			2.3	3.9
4/10/2017							
4/11/2017							
4/12/2017		0.47		1.4	1.7		
4/13/2017	0.54		0.56			1.9	3.8
6/26/2017							
6/27/2017		0.51	0.56	1.6	1.7		
6/28/2017	0.59					1.9	3.6
10/10/2017							
10/11/2017		0.49		1.5			
10/12/2017	0.54		0.57		1.6	1.9	3.9
6/5/2018							
6/6/2018							
6/7/2018	0.71	0.45	0.59	1.6	1.7		
6/8/2018						1.8	4.3
10/16/2018					1.5 (D)		
10/18/2018							4.9 (D)
12/13/2018							
12/14/2018		0.47		1.4			
12/17/2018	0.6		0.55			1.8	
3/28/2019							
3/29/2019							
4/1/2019		0.57		1.7	1.6		
4/2/2019	0.52		0.53			2	5.3
9/12/2019							
9/13/2019							

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
9/16/2019							
9/17/2019		0.43	0.55	1.4	1.4	1.8	5
9/18/2019	0.54						
3/17/2020							
3/18/2020							
3/23/2020						1.7	
3/24/2020	0.55						
3/25/2020							
3/26/2020							6
3/27/2020		0.49	0.59	1.5	1.4		
9/14/2020		0.49					
9/15/2020	0.38		0.57	1.5	1.4	1.9	6.2
3/30/2021						1.9	6.4
3/31/2021	0.51				1.4		
4/1/2021			0.55				
4/6/2021				1.6			
4/7/2021		0.59					

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	3	11.4	10.1	6.22	12.3	2.64			
5/11/2016							2.91	4.14	14.4
5/12/2016									
5/13/2016									
6/23/2016	2.42		8.45		11.3	1.65			
6/24/2016				5.55					14.2
6/27/2016		9.16							
6/28/2016							2.19	3.13	
6/29/2016									
6/30/2016									
8/16/2016	2.1		9.4	5	11	1.3			
8/17/2016		9.6					1.9	4.1	15
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2.7				12				
10/14/2016		11	10	5.4		1.4			
10/17/2016							2	4.2	16
10/18/2016									
10/19/2016									
12/5/2016					12				
12/6/2016	2.1	11	10	4.8		1.4	1.9	4.3	15
12/7/2016									
12/8/2016									
2/14/2017	1.8	12	11	4.6	13	1.4			17
2/15/2017							1.9	1.5	
2/16/2017									
4/10/2017					12				
4/11/2017	1.8	11	10	5		1.4			17
4/12/2017							1.9	2.2	
4/13/2017									
6/26/2017	1.7 (D)		10 (D)	4.9 (D)	13 (D)	1.5 (D)			18 (D)
6/27/2017		9.5 (D)					1.9 (D)	3.1 (D)	
6/28/2017									
10/10/2017	2.3		11		14				
10/11/2017		11		5.5		1.6	2		19
10/12/2017								1.2	
6/5/2018	2.6	9.7	11		13	1.5			
6/6/2018				4.1			1.8	1.2	18
6/7/2018									
6/8/2018									
10/16/2018							1.8 (D)		
10/18/2018									
12/13/2018	1.7	9.4	10	4.3	12	1.4			18
12/14/2018									
12/17/2018								4	
3/28/2019		8.7		4.8		1.4			17
3/29/2019	2		11		12				
4/1/2019							1.7	4.2	
4/2/2019									
9/12/2019						1.6			
9/13/2019					14				

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
9/16/2019	1.7	9.5	12	5.9			1.9		18
9/17/2019								0.79	
9/18/2019									
3/17/2020		8.8	11	5.3		1.7			
3/18/2020	1.8				14				18
3/23/2020									
3/24/2020									
3/25/2020							2	2.9	
3/26/2020									
3/27/2020									
9/14/2020	1.6	9.1	11	5.7	14	1.6	1.8	0.75	17
9/15/2020									
3/30/2021	2.2		12		15				
3/31/2021				5.5		1.6		2.3	17
4/1/2021									
4/6/2021									
4/7/2021		9.5					1.9		





# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
9/16/2019	56	8.9		23					
9/17/2019			16		52	14	30	51	
9/18/2019									27
3/17/2020									
3/18/2020									
3/23/2020						13	36		
3/24/2020								58	31
3/25/2020	55	11			48				
3/26/2020			21	22					
3/27/2020									
9/14/2020	45	10	20	22	49				
9/15/2020						14	38	54	28
3/30/2021						14	41		
3/31/2021	47								30
4/1/2021		11	22		52			57	
4/6/2021									
4/7/2021				23					

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	27.6	16.6	0.75	37.7	14.5		
5/13/2016						35.3	56.9
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		14.4	0.768	35.8	14.7		
6/29/2016	25.6					34.6	
6/30/2016							46.4
8/16/2016							
8/17/2016							
8/18/2016		15	0.7	37	15		
8/19/2016	29						
8/22/2016						38	48
10/13/2016							
10/14/2016							
10/17/2016		15		37			
10/18/2016	32		0.75		16	36	
10/19/2016							51
12/5/2016							
12/6/2016		14					
12/7/2016	30		0.73	38	15		50
12/8/2016						36	
2/14/2017							
2/15/2017	32	17		45	17		
2/16/2017			0.81			41	51
4/10/2017							
4/11/2017							
4/12/2017		16		39	14		
4/13/2017	31		0.88			39	35
6/26/2017							
6/27/2017		15 (D)	0.76 (D)	38 (D)	16 (D)		
6/28/2017	27 (D)					36 (D)	36 (D)
10/10/2017							
10/11/2017		16		44			
10/12/2017	31		1.1		17	39	43
6/5/2018							
6/6/2018							
6/7/2018	25	15	0.84	44	16		
6/8/2018						37	90
10/16/2018					16 (D)		
10/18/2018							100 (D)
12/13/2018							
12/14/2018		16		37			
12/17/2018	24		0.94			42	
3/28/2019							
3/29/2019							
4/1/2019		17		39	16		
4/2/2019	23		0.92			38	89
9/12/2019							
9/13/2019							

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
9/16/2019							
9/17/2019		17	1	38	17	44	87
9/18/2019	26						
3/17/2020							
3/18/2020							
3/23/2020						46	
3/24/2020	22						
3/25/2020							
3/26/2020							81
3/27/2020		18	1.5	41	17		
9/14/2020		19					
9/15/2020	21		1.1	40	17	47	74
3/30/2021						50	68
3/31/2021	24				17		
4/1/2021			1.2				
4/6/2021				42			
4/7/2021		19					

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	1.9	2.77	1.51	3.45	1.94	1.98			
5/11/2016							8.87	9.53	1.93
5/12/2016									
5/13/2016									
6/23/2016	2.2		1.8		2.2	2.1			
6/24/2016				3.5					1.8
6/27/2016		2.9							
6/28/2016							8.3	9.1	
6/29/2016									
6/30/2016									
8/16/2016	2.1		1.5	3.4	2	1.8			
8/17/2016		2.4					8.6	9.4	1.4
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2				1.9				
10/14/2016		2.1	1.4	3.1		1.8			
10/17/2016							7.9	8.9	1.2
10/18/2016									
10/19/2016									
12/5/2016					1.9				
12/6/2016	2.2	1.7	1.5	3		1.8	7.9	8.9	1.3
12/7/2016									
12/8/2016									
2/14/2017	2	1.5	1.5	2.4	1.9	1.8			1.3
2/15/2017							7.2	9	
2/16/2017									
4/10/2017					1.8				
4/11/2017	1.8	1.7	1.3	2.5		1.7			1.2
4/12/2017							7.5	8.5	
4/13/2017									
6/26/2017	1.9		1.4	2.6	1.9	1.7			1.2
6/27/2017		2.2					7.8	9.1	
6/28/2017									
10/10/2017	1.8		1.3		1.8				
10/11/2017		1.7		2.4		1.6	7.4		1.1
10/12/2017								8.5	
6/5/2018	1.7	2	1.3		1.9	1.6			
6/6/2018				2			7.5	8.6	1.1
6/7/2018									
6/8/2018									
10/16/2018							7.8 (D)		
10/18/2018									
12/13/2018	1.7	1.9	1.3	2	2	1.7			1.2
12/14/2018									
12/17/2018								8.6	
3/28/2019		2.2		2		1.7			1.2
3/29/2019	1.5		1.2		1.8				
4/1/2019							7.4	7.8	
4/2/2019									
9/12/2019						1.5			
9/13/2019					1.7				

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:25 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
9/16/2019	1.8	1.9	1.3	2.2			7.9		1.2
9/17/2019								9.7	
9/18/2019									
3/17/2020		2.4	1.6	2.1		1.9			
3/18/2020	2				2.4				1.5
3/23/2020									
3/24/2020									
3/25/2020							9	8.8	
3/26/2020									
3/27/2020									
9/14/2020	2.1	2.7	1.5	2.5	2.5	1.9	8.9	10	1.5
9/15/2020									
3/30/2021	2.3		1.6		2.5				
3/31/2021				2.3		2.1		9.2	1.6
4/1/2021									
4/6/2021									
4/7/2021		2.3					8.8		



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
9/16/2019	14	1.9		9.3					
9/17/2019			3.8		12	11	10	8.3	
9/18/2019									10
3/17/2020									
3/18/2020									
3/23/2020						10	11		
3/24/2020								7.8	10
3/25/2020	15	2.3			10				
3/26/2020			5.1	9.4					
3/27/2020									
9/14/2020	19	2.8	5.8	10	14				
9/15/2020						11	12	8.4	11
3/30/2021						9.9	13		
3/31/2021	16								11
4/1/2021		2.4	6		12			9.2	
4/6/2021									
4/7/2021				9					



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	9.63	6.29	8.56	11.1	9.47		
5/13/2016						8.16	4.87
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		5.4	7.8	10	9.8		
6/29/2016	8.8					7.6	
6/30/2016							4.7
8/16/2016							
8/17/2016							
8/18/2016		5.8	8.5	11	10		
8/19/2016	9.6						
8/22/2016						8.2	5
10/13/2016							
10/14/2016							
10/17/2016		5.4		11			
10/18/2016	9.6		8		9.4	7.7	
10/19/2016							5.1
12/5/2016							
12/6/2016		5.6					
12/7/2016	9.7		8	11	9.8		5.6
12/8/2016						7.8	
2/14/2017							
2/15/2017	10	5.4		11	9.8		
2/16/2017			7.7			7.4	7.4
4/10/2017							
4/11/2017							
4/12/2017		5.6		10	9.2		
4/13/2017	9		7.5			7.5	8.9
6/26/2017							
6/27/2017		5.9	8	11	9.5		
6/28/2017	9.6					7.9	10
10/10/2017							
10/11/2017		5.7		10			
10/12/2017	9.3		7.6		9.2	7.4	7.4
6/5/2018							
6/6/2018							
6/7/2018	10	6.2	7.7	10	9.3		
6/8/2018						7.2	9
10/16/2018					10 (D)		
10/18/2018							16 (D)
12/13/2018							
12/14/2018		7.5		10			
12/17/2018	9.9		8.1			7.3	
3/28/2019							
3/29/2019							
4/1/2019		7.7		9.9	9.2		
4/2/2019	8.9		8.2			7.3	15
9/12/2019							
9/13/2019							

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
9/16/2019							
9/17/2019		8.4	8.4	11	10	7.4	13
9/18/2019	9.7						
3/17/2020							
3/18/2020							
3/23/2020						7.7	
3/24/2020	9.1						
3/25/2020							
3/26/2020							12
3/27/2020		9	8.5	11	10		
9/14/2020		11					
9/15/2020	10		8.6	11	10	7.7	11
3/30/2021						8.3	11
3/31/2021	11				11		
4/1/2021			9.2				
4/6/2021				11			
4/7/2021		10					

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	<0.1	0.0648 (J)	0.041 (J)	0.0192 (J)	0.0537 (J)	0.0188 (J)			
5/11/2016							0.033 (J)	0.019 (J)	0.108 (J)
5/12/2016									
5/13/2016									
6/23/2016	<0.1	0.05 (J)			0.03 (J)	<0.1			
6/24/2016				0.02 (J)					0.08 (J)
6/27/2016			0.03 (J)						
6/28/2016							0.08 (J)	<0.1	
6/29/2016									
6/30/2016									
8/16/2016	<0.1	<0.1		<0.1	<0.1	<0.1			
8/17/2016			<0.1				<0.1	<0.1	<0.1
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	<0.1	<0.1							
10/14/2016			<0.1	<0.1	<0.1	<0.1			
10/17/2016							<0.1	<0.1	<0.1
10/18/2016									
10/19/2016									
12/5/2016		<0.1							
12/6/2016	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.091 (J)
12/7/2016									
12/8/2016									
2/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			0.1 (J)
2/15/2017							<0.1	<0.1	
2/16/2017									
4/10/2017		<0.1							
4/11/2017	<0.1		<0.1	<0.1	<0.1	<0.1			<0.1
4/12/2017							<0.1	<0.1	
4/13/2017									
6/26/2017	<0.1	<0.1		<0.1	<0.1	<0.1			<0.1
6/27/2017			<0.1				<0.1	<0.1	
6/28/2017									
10/10/2017	<0.1	<0.1			<0.1				
10/11/2017			<0.1	<0.1		<0.1	<0.1		<0.1
10/12/2017								<0.1	
3/26/2018	<0.1	<0.1		<0.1	<0.1				
3/27/2018			<0.1			<0.1	<0.1	<0.1	<0.1
3/28/2018									
6/5/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
6/6/2018				<0.1			<0.1	<0.1	<0.1
6/7/2018									
6/8/2018									
10/5/2018	<0.1	<0.1		<0.1	<0.1				
10/8/2018			<0.1			<0.1			<0.1
10/9/2018								<0.1	
10/16/2018							<0.1 (D)		
10/18/2018									
2/18/2019	<0.1				0.05 (J)				0.066 (J)
2/19/2019		0.06 (J)	0.044 (J)	<0.1		<0.1			
2/20/2019							<0.1	<0.1	

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
3/28/2019			0.037 (J)	0.026 (J)		<0.1			0.052 (J)
3/29/2019	<0.1	0.056 (J)			0.053 (J)				
4/1/2019							<0.1	<0.1	
4/2/2019									
9/12/2019						<0.1			
9/13/2019		0.049 (J)							
9/16/2019	<0.1		0.04 (J)	0.026 (J)	0.054 (J)		<0.1		0.055 (J)
9/17/2019								<0.1	
9/18/2019									
2/13/2020	<0.1	0.066 (J)			0.051 (J)				
2/17/2020			0.041 (J)			<0.1			
2/18/2020				<0.1			<0.1		0.068 (J)
2/19/2020								<0.1	
2/20/2020									
3/17/2020			0.041 (J)	0.029 (J)	0.038 (J)	0.03 (J)			
3/18/2020	<0.1	0.078 (J)							<0.1
3/23/2020									
3/24/2020									
3/25/2020							0.058 (J)	0.031 (J)	
3/26/2020									
3/27/2020									
9/14/2020	<0.1	0.038 (J)	0.028 (J)	<0.1	0.033 (J)	<0.1	<0.1	<0.1	0.035 (J)
9/15/2020									
2/9/2021	<0.1	0.059 (J)	0.037 (J)	<0.1	0.055 (J)	<0.1	<0.1	<0.1	0.059 (J)
2/10/2021									
3/30/2021	<0.1	0.052 (J)			0.048 (J)				
3/31/2021				<0.1		<0.1		0.047 (J)	0.051 (J)
4/1/2021									
4/6/2021									
4/7/2021			0.054 (J)				<0.1		

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-9	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
5/10/2016									
5/11/2016	0.133 (J)	0.245 (J)	0.076 (J)	0.11 (J)	0.362				
5/12/2016						0.259 (J)	0.079 (J)	0.066 (J)	0.029 (J)
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	0.21 (J)	0.23 (J)			0.45				
6/28/2016				0.18 (J)					
6/29/2016			0.13 (J)			0.45	0.15 (J)	0.17 (J)	0.04 (J)
6/30/2016									
8/16/2016									
8/17/2016	0.14 (J)	0.22			0.54				
8/18/2016				0.12 (J)			<0.1		
8/19/2016									<0.1
8/22/2016			<0.1			0.33	0.083 (J)		
10/13/2016									
10/14/2016									
10/17/2016	0.11 (J)			0.082 (J)	0.51				
10/18/2016		0.24	<0.1			0.26	<0.1		<0.1
10/19/2016								<0.1 (D)	
12/5/2016									
12/6/2016	0.14 (J)	0.26		0.11 (J)	0.58				
12/7/2016			<0.1				<0.1	<0.1	<0.1
12/8/2016						0.28			
2/14/2017	0.2	0.17 (J)			0.39				
2/15/2017				0.13 (J)				0.089 (J)	
2/16/2017			0.097 (J)			0.28	0.12 (J)		0.1 (J)
4/10/2017									
4/11/2017									
4/12/2017	0.089 (J)	0.2		0.088 (J)	0.41				
4/13/2017			<0.1			0.2	<0.1	<0.1	<0.1
6/26/2017									
6/27/2017	0.085 (J)	0.23	<0.1	0.1 (J)	0.47			<0.1	
6/28/2017						0.22	0.1 (J)		<0.1
10/10/2017									
10/11/2017	0.089 (J)	0.21		<0.1					
10/12/2017			<0.1		0.47	0.18 (J)	<0.1	<0.1	<0.1
3/26/2018									
3/27/2018	<0.1	0.19 (J)		<0.1	0.4			<0.1	
3/28/2018			<0.1			0.19 (J)	<0.1		<0.1
6/5/2018									
6/6/2018	<0.1	0.2	<0.1	<0.1	0.4				
6/7/2018						0.21	<0.1	<0.1	<0.1
6/8/2018									
10/5/2018									
10/8/2018	<0.1			<0.1			<0.1	<0.1	<0.1
10/9/2018		0.2	<0.1		0.47				
10/16/2018									
10/18/2018						0.23 (D)			
2/18/2019									
2/19/2019									<0.1
2/20/2019	0.092 (J)	0.2	0.074 (J)	0.052 (J)	0.32	0.2	0.051 (J)	0.034 (J)	

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-9	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
3/28/2019									
3/29/2019									
4/1/2019		0.12 (J)	0.041 (J)	0.048 (J)	0.21				
4/2/2019	0.1 (J)					0.15 (J)	0.066 (J)	0.045 (J)	<0.1
9/12/2019									
9/13/2019									
9/16/2019	0.099 (J)		0.057 (J)	0.065 (J)					
9/17/2019		0.2			0.47	0.14	0.077 (J)	0.047 (J)	
9/18/2019									0.028 (J)
2/13/2020									
2/17/2020									
2/18/2020	0.11	0.2			0.38	0.16	0.073 (J)		<0.1
2/19/2020			0.061 (J)	0.064 (J)				0.046 (J)	
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020						0.25	0.11		
3/24/2020								0.058 (J)	<0.1
3/25/2020	0.13		0.079 (J)		0.31				
3/26/2020		0.14		0.081 (J)					
3/27/2020									
9/14/2020	0.076 (J)	0.11	0.037 (J)	0.042 (J)	0.29				
9/15/2020						0.15	0.061 (J)	0.052 (J)	<0.1
2/9/2021	0.12	0.22	0.05 (J)	0.074 (J)	0.37				
2/10/2021						0.19	0.049 (J)	0.03 (J)	<0.1
3/30/2021						0.18	0.074 (J)		
3/31/2021			0.073 (J)						<0.1
4/1/2021	0.14	0.25			0.38			0.051 (J)	
4/6/2021									
4/7/2021				0.066 (J)					

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	0.0341 (J)	0.042 (J)	0.011 (J)	0.031 (J)	0.1071 (J)		
5/13/2016						0.0343 (J)	0.0126 (J)
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		0.15 (J)	0.09 (J)	0.03 (J)	0.26 (J)		
6/29/2016	0.04 (J)						0.18 (J)
6/30/2016						0.18 (J)	
8/16/2016							
8/17/2016							
8/18/2016		<0.1	<0.1	<0.1	0.14 (J)		
8/19/2016	<0.1						
8/22/2016						<0.1	<0.1
10/13/2016							
10/14/2016							
10/17/2016		<0.1		<0.1			
10/18/2016	<0.1		<0.1		0.12 (J)		<0.1
10/19/2016						<0.1	
12/5/2016							
12/6/2016		<0.1					
12/7/2016	<0.1		<0.1	<0.1	0.13 (J)	<0.1	
12/8/2016							<0.1
2/14/2017							
2/15/2017	0.092 (J)	<0.1		<0.1	0.12 (J)		
2/16/2017			<0.1			<0.1	<0.1
4/10/2017							
4/11/2017							
4/12/2017		<0.1		<0.1	0.11 (J)		
4/13/2017	<0.1		<0.1			<0.1	<0.1
6/26/2017							
6/27/2017		<0.1	<0.1	<0.1	0.13 (J)		
6/28/2017	<0.1					<0.1	<0.1
10/10/2017							
10/11/2017		<0.1		<0.1			
10/12/2017	<0.1		<0.1		0.13 (J)	<0.1	<0.1
3/26/2018							
3/27/2018	<0.1	<0.1	<0.1	<0.1	0.12 (J)		
3/28/2018						<0.1	<0.1
6/5/2018							
6/6/2018							
6/7/2018	<0.1	<0.1	<0.1	<0.1	0.14 (J)		
6/8/2018						<0.1	<0.1
10/5/2018							
10/8/2018	<0.1	<0.1	<0.1	<0.1			
10/9/2018							<0.1
10/16/2018					0.14 (JD)		
10/18/2018						<0.1 (D)	
2/18/2019							
2/19/2019	0.055 (J)						
2/20/2019		<0.1	<0.1	<0.1	0.33	<0.1	<0.1

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-18	SGWC-19
3/28/2019							
3/29/2019							
4/1/2019		<0.1		<0.1	0.072 (J)		
4/2/2019	0.036 (J)		<0.1			0.05 (J)	<0.1
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019		0.04 (J)	<0.1	0.028 (J)	0.1	0.034 (J)	<0.1
9/18/2019	0.044 (J)						
2/13/2020							
2/17/2020							
2/18/2020	0.082 (J)						
2/19/2020		0.027 (J)	<0.1	0.026 (J)	0.13		<0.1
2/20/2020						<0.1	
3/17/2020							
3/18/2020							
3/23/2020							0.057 (J)
3/24/2020	0.081 (J)						
3/25/2020							
3/26/2020						0.091 (J)	
3/27/2020		0.045 (J)	0.027 (J)	0.041 (J)	0.13		
9/14/2020		<0.1					
9/15/2020	0.052 (J)		0.037 (J)	0.04 (J)	0.15	<0.1	<0.1
2/9/2021		<0.1	<0.1	<0.1	0.14		
2/10/2021	0.046 (J)					<0.1	<0.1
3/30/2021						0.1 (J)	<0.1
3/31/2021	0.046 (J)				0.12		
4/1/2021			<0.1				
4/6/2021				<0.1			
4/7/2021		0.053 (J)					





# Prediction Limit

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-2 (bg)	SGWC-10	SGWC-12	SGWA-4 (bg)
2/13/2020	5.09				6.24	6.59			
2/17/2020		5.73		6.1					
2/18/2020			5.76						6.38
2/19/2020							5.07	6.07	
2/20/2020									
3/17/2020		5.62	5.87	6.02		6.83			
3/18/2020	5.37				6.4				6.36
3/23/2020									
3/24/2020									
3/25/2020							5.26		
3/26/2020								6.1	
3/27/2020									
5/19/2020	5.37	5.61	5.8	6.03	6.37	6.8			6.38
9/14/2020	5.11	5.82	5.84	5.98	6.52	6.73	5.51	6.11	6.4
9/15/2020									
2/9/2021	5.25	5.53	5.8	6.06	6.4	6.75	5.23	6.13	6.38
2/10/2021									
3/30/2021	5.28 (D)				6.27 (D)	6.73 (D)			
3/31/2021		5.5 (D)	5.72 (D)				5.3 (D)		6.33 (D)
4/1/2021									
4/6/2021									
4/7/2021				6.12 (D)				6.44 (D)	



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-11	SGWC-9	SGWC-13	SGWC-16	SGWC-15	SGWC-20
2/13/2020									
2/17/2020									
2/18/2020	6.32	6.35	6.39	5.09					4.3
2/19/2020					6.03	5.94	5.16	4.58	
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020									4.19
3/24/2020									
3/25/2020	6.31		6.35	5.16	6.01				
3/26/2020		6.52							
3/27/2020						5.89	5.17	4.51	
5/19/2020									
9/14/2020	6.29	6.31	6.56	5.14	6.33	6			
9/15/2020							5.56	4.87	4.3
2/9/2021	6.34	6.42	6.35	5.24	6.21	5.98	5.22	4.26	
2/10/2021									4.22
3/30/2021									4.32 (D)
3/31/2021					6.2 (D)			4.77 (D)	
4/1/2021	6.31 (D)	6.44 (D)	6.32 (D)				5.24 (D)		
4/6/2021									
4/7/2021				5.18 (D)		6.07 (D)			

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-14	SGWC-17	SGWC-23	SGWC-21	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	5.675 (D)	5.79	6.21	6.18	5.95		
5/13/2016						5.55	4.7
8/16/2016							
8/17/2016							
8/18/2016		5.75	6.24				
8/19/2016	5.65			5.84			
8/22/2016					5.96	5.5	4.68
10/13/2016							
10/14/2016							
10/17/2016		5.73					
10/18/2016	5.71			5.89	5.9	5.46	
10/19/2016			6.2				4.65
12/5/2016							
12/6/2016							
12/7/2016	5.71	5.75	6.19	5.87	6.03		4.69
12/8/2016						5.39	
2/14/2017							
2/15/2017		5.58	6.25	6.04			
2/16/2017	5.7				6.03	5.32	4.77
4/10/2017							
4/11/2017							
4/12/2017		5.85					
4/13/2017	5.7		6.21	5.85	5.93	5.47	4.79
6/26/2017							
6/27/2017		5.86	6.27				
6/28/2017	5.66			5.9	6	5.5	4.78
10/10/2017							
10/11/2017		5.98					
10/12/2017	5.73		6.33	6.07	6.09	5.57	4.86
3/26/2018							
3/27/2018		5.87	6.26	5.99			
3/28/2018	5.89				6.08	5.74	4.74
6/5/2018							
6/6/2018							
6/7/2018	5.66	5.81	6.21	5.97	6.1		
6/8/2018						5.52	4.69
10/5/2018							
10/8/2018	5.74	5.83	6.17	5.94	6.14		
10/9/2018						5.51	
10/16/2018							
10/18/2018							4.7
3/28/2019							
3/29/2019							
4/1/2019		5.89					
4/2/2019	5.65		6.26	5.87	6.09	5.5	4.72
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019		5.78	6.23		6.27	5.55	4.77
9/18/2019	5.66			5.97			

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-14	SGWC-17	SGWC-23	SGWC-21	SGWC-19	SGWC-18
2/13/2020							
2/17/2020							
2/18/2020	5.59			5.95	6.06		
2/19/2020		5.75	6.16			5.53	
2/20/2020							4.64
3/17/2020							
3/18/2020							
3/23/2020					6.12	5.51	
3/24/2020	5.62		6.21	6			
3/25/2020							
3/26/2020							4.74
3/27/2020		5.74					
5/19/2020							
9/14/2020							
9/15/2020	5.65	6.01	6.42	5.89	6.1	5.51	4.94
2/9/2021		5.85					
2/10/2021	5.58		6.23	5.85	6.21	5.55	4.8
3/30/2021					6.17 (D)	5.57 (D)	4.82 (D)
3/31/2021	5.73 (D)			5.93 (D)			
4/1/2021			6.25 (D)				
4/6/2021		5.84 (D)					
4/7/2021							

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	0.6766 (J)	0.686 (J)	0.4053 (J)	2.82	<1	0.4716 (J)			
5/11/2016							6.31	7.43	3.75
5/12/2016									
5/13/2016									
6/23/2016	0.94 (J)		0.55 (J)		0.3 (J)	0.46 (J)			
6/24/2016				2.3					3
6/27/2016		0.61 (J)							
6/28/2016							3.7	6.3	
6/29/2016									
6/30/2016									
8/16/2016	1.2		<1	1.5	<1	<1			
8/17/2016		<1					2.4	11	1.8
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2.9				<1				
10/14/2016		<1	<1	1.2		<1			
10/17/2016							2.1	4.4	1.4
10/18/2016									
10/19/2016									
12/5/2016					<1				
12/6/2016	3.2	<1	<1	1.3		<1	1.9	11	1.4
12/7/2016									
12/8/2016									
2/14/2017	0.76 (J)	<1	<1	1.9	<1	<1			1.1
2/15/2017							1.2	1.3	
2/16/2017									
4/10/2017					<1				
4/11/2017	<1	<1	<1	1.3		<1			1
4/12/2017							1	2.8	
4/13/2017									
6/26/2017	0.74 (J)		<1	1.5	<1	<1			0.99 (J)
6/27/2017		<1					1.2	8.2	
6/28/2017									
10/10/2017	0.76 (J)		<1		<1				
10/11/2017		<1		0.98 (J)		<1	0.82 (J)		0.93 (J)
10/12/2017								1.3	
6/5/2018	<1	<1	<1		<1	<1			
6/6/2018				1.8			0.89 (J)	2.9	0.89 (J)
6/7/2018									
6/8/2018									
10/16/2018							1.3		
10/18/2018									
12/13/2018	<1	<1	<1	1.4	<1	<1			0.76 (J)
12/14/2018									
12/17/2018								16	
3/28/2019		<1		1.9		<1			1.2
3/29/2019	<1		0.65 (J)		<1				
4/1/2019							0.81 (J)	21	
4/2/2019									
9/12/2019						<1			
9/13/2019					<1				

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
9/16/2019	0.98 (J)	<1	0.68 (J)	0.92 (J)			0.72 (J)		1.1
9/17/2019								2.3	
9/18/2019									
3/17/2020		0.61 (J)	0.78 (J)	1.6		0.55 (J)			
3/18/2020	1.2				0.45 (J)				1.3
3/23/2020									
3/24/2020									
3/25/2020							0.58 (J)	14	
3/26/2020									
3/27/2020									
9/14/2020	0.58 (J)	<1	<1	0.82 (J)	<1	<1	0.59 (J)	2.2	0.96 (J)
9/15/2020									
3/30/2021	1.2		<1		<1				
3/31/2021				1.1		<1		15	1.1
4/1/2021									
4/6/2021									
4/7/2021		<1					1.3		





# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
9/16/2019	310	0.53 (J)		44					
9/17/2019			8.7		77	220	99	200	
9/18/2019									100
3/17/2020									
3/18/2020									
3/23/2020						220	120		
3/24/2020								190	100
3/25/2020	300	0.58 (J)			62				
3/26/2020			15	44					
3/27/2020									
9/14/2020	220	0.46 (J)	17	41	81				
9/15/2020						200	130	190	110
3/30/2021						220	140		
3/31/2021	240								120
4/1/2021		<1	18		74			210	
4/6/2021									
4/7/2021				54					

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	131	89.7	9.9	194	194		
5/13/2016						212	484
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		76	11	200	200		
6/29/2016	120					220	
6/30/2016							490
8/16/2016							
8/17/2016							
8/18/2016		78	14	180	190		
8/19/2016	120						
8/22/2016						220	500
10/13/2016							
10/14/2016							
10/17/2016		73		190			
10/18/2016	130		15		190	210	
10/19/2016							520
12/5/2016							
12/6/2016		76					
12/7/2016	140		17	200	200		510
12/8/2016						220	
2/14/2017							
2/15/2017	120	73		190	190		
2/16/2017			17			210	450
4/10/2017							
4/11/2017							
4/12/2017		70		170	170		
4/13/2017	100		15			190	380
6/26/2017							
6/27/2017		78	19	200	200		
6/28/2017	120					220	390
10/10/2017							
10/11/2017		72		190			
10/12/2017	120		20		190	210	430
6/5/2018							
6/6/2018							
6/7/2018	100	69	25	190	190		
6/8/2018						220	870
10/16/2018					200		
10/18/2018							1200
12/13/2018							
12/14/2018		74		190			
12/17/2018	96		28			270	
3/28/2019							
3/29/2019							
4/1/2019		82		180	190		
4/2/2019	95		31			240	1100
9/12/2019							
9/13/2019							

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
9/16/2019							
9/17/2019		79	33	200	220	260	1100
9/18/2019	95						
3/17/2020							
3/18/2020							
3/23/2020						250	
3/24/2020	71						
3/25/2020							
3/26/2020							1000
3/27/2020		81	35	180	190		
9/14/2020		89					
9/15/2020	72		36	180	190	250	860
3/30/2021						270	960
3/31/2021	75				200		
4/1/2021			37				
4/6/2021				190			
4/7/2021		96					

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L)    Analysis Run 5/26/2021 9:26 PM    View: Appendix III

Plant Scherer    Client: Southern Company    Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
5/10/2016	44	100	96	59	110	64			
5/11/2016							80	68	91
5/12/2016									
5/13/2016									
6/23/2016	38		91		118	58			
6/24/2016				39					78
6/27/2016		117							
6/28/2016							134	41	
6/29/2016									
6/30/2016									
8/16/2016	22		100	38	110	52			
8/17/2016		86					42	70	100
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	66				120				
10/14/2016		80	100	34		58			
10/17/2016							24	6	58
10/18/2016									
10/19/2016									
12/5/2016					110				
12/6/2016	54	110	110	70		72	70	40	98
12/7/2016									
12/8/2016									
2/14/2017	18	98	76	32	86	52			78
2/15/2017							34	18	
2/16/2017									
4/10/2017					120				
4/11/2017	50	110	120	64		78			110
4/12/2017							36	18	
4/13/2017									
6/26/2017	60		110	64	130	80			110
6/27/2017		18					8	50	
6/28/2017									
10/10/2017	36		100		110				
10/11/2017		94		42		64	56		120
10/12/2017								46	
6/5/2018	8	80	74		76	50			
6/6/2018				46			40	38	120
6/7/2018									
6/8/2018									
10/16/2018							100 (D)		
10/18/2018									
12/13/2018	16	4 (J)	110	4 (J)	100	58			94
12/14/2018									
12/17/2018								38	
3/28/2019		79		43		58			110
3/29/2019	<10		72		110				
4/1/2019							33	82	
4/2/2019									
9/12/2019						22			
9/13/2019					200				

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWC-11	SGWC-10	SGWA-4 (bg)
9/16/2019	17	42	91	19			<10		57
9/17/2019								17	
9/18/2019									
3/17/2020		98	100	52		30			
3/18/2020	25				110				140
3/23/2020									
3/24/2020									
3/25/2020							38	59	
3/26/2020									
3/27/2020									
9/14/2020	20	71	93	55	95	36	39	45	110
9/15/2020									
3/30/2021	32		110		110				
3/31/2021				57		35		64	120
4/1/2021									
4/6/2021									
4/7/2021		95					40		



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-8	SGWC-20	SGWC-21	SGWC-17	SGWC-22
9/16/2019	550	76		200					
9/17/2019			140		380	320	290	380	
9/18/2019									470
3/17/2020									
3/18/2020									
3/23/2020						330	330		
3/24/2020								430	250
3/25/2020	540	94			360				
3/26/2020			180	200					
3/27/2020									
9/14/2020	470	99	200	190	360				
9/15/2020						350	390	440	250
3/30/2021						350	380		
3/31/2021	430								240
4/1/2021		83	200		360			410	
4/6/2021									
4/7/2021				210					



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	288	190	46	309	298		
5/13/2016						366	728
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		198	60	333	337		
6/29/2016	272					370	
6/30/2016							742
8/16/2016							
8/17/2016							
8/18/2016		180	48	320	310		
8/19/2016	290						
8/22/2016						350	670
10/13/2016							
10/14/2016							
10/17/2016		140		320			
10/18/2016	270		60		320	340	
10/19/2016							700
12/5/2016							
12/6/2016		110					
12/7/2016	300		64	340	270		720
12/8/2016						350	
2/14/2017							
2/15/2017	260	160		340	310		
2/16/2017			40			340	600
4/10/2017							
4/11/2017							
4/12/2017		140		300	280		
4/13/2017	300		76			350	640
6/26/2017							
6/27/2017		170	50	320	290		
6/28/2017	250					340	540
10/10/2017							
10/11/2017		170		340			
10/12/2017	280		68		330	370	640
6/5/2018							
6/6/2018							
6/7/2018	220	190	74	340	310		
6/8/2018						320	820
10/16/2018					350 (D)		
10/18/2018							1200 (D)
12/13/2018							
12/14/2018		140		280			
12/17/2018	30		42			250	
3/28/2019							
3/29/2019							
4/1/2019		190		330	330		
4/2/2019	250		73			420	1700
9/12/2019							
9/13/2019							

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:26 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-13	SGWC-16	SGWC-14	SGWC-15	SGWC-19	SGWC-18
9/16/2019							
9/17/2019		170	59	310	320	400	1600
9/18/2019	490						
3/17/2020							
3/18/2020							
3/23/2020						390	
3/24/2020	210						
3/25/2020							
3/26/2020							1600
3/27/2020		200	99	330	330		
9/14/2020		190					
9/15/2020	210		90	360	340	450	1500
3/30/2021						420	1500
3/31/2021	220				300		
4/1/2021			88				
4/6/2021				320			
4/7/2021		200					

FIGURE E.

# Appendix III Trend Test - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:32 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron, total (mg/L)	SGWC-10	0.02288	90	58	Yes	16	12.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-11	0.05178	107	58	Yes	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5525	82	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.4338	66	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5828	65	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.747	101	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.712	83	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.593	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.693	-59	-58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-7	-1.973	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.2953	-71	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	0.9667	82	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	2.001	82	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	0.9343	86	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.6836	-63	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.551	94	58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.009133	-83	-81	Yes	20	45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-20	-0.0263	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1896	-60	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	5.76	85	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	6.004	114	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	16.46	103	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-20	-10.48	-69	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.06	80	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	6.165	84	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.98	-86	-58	Yes	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	27.37	91	58	Yes	16	0	n/a	n/a	0.01	NP

# Appendix III Trend Test - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:32 PM

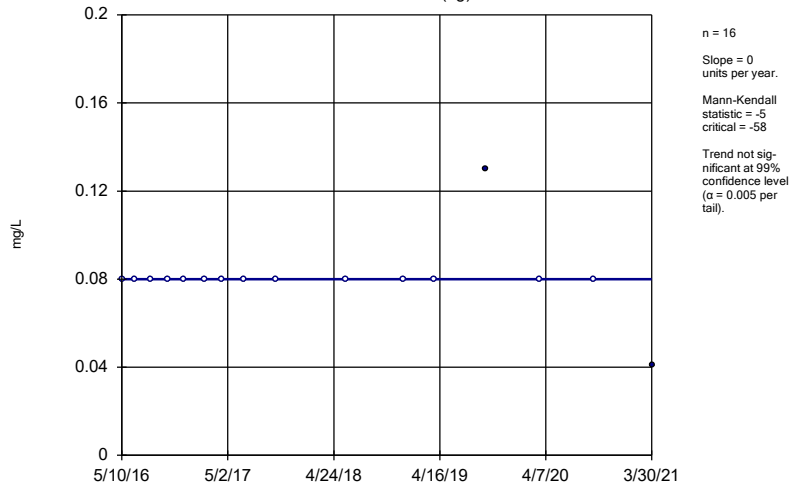
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-15	-58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	13	58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	5	58	No	16	87.5	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	13	58	No	16	93.75	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
<b>Boron, total (mg/L)</b>	<b>SGWC-10</b>	<b>0.02288</b>	<b>90</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>12.5</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron, total (mg/L)</b>	<b>SGWC-11</b>	<b>0.05178</b>	<b>107</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron, total (mg/L)	SGWC-13	-0.01509	-38	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.03312	39	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.02781	-28	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.00143	15	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.02101	30	58	No	16	0	n/a	n/a	0.01	NP
<b>Boron, total (mg/L)</b>	<b>SGWC-18</b>	<b>0.5525</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron, total (mg/L)	SGWC-19	0	10	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.05753	-28	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.0571	-54	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-22	0.02017	34	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.02988	-52	-58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.008453	52	58	No	16	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-9	0	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.1429	-51	-58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWA-2 (bg)</b>	<b>0.4338</b>	<b>66</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWA-24 (bg)</b>	<b>0.5828</b>	<b>65</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWA-25 (bg)	-0.3608	-49	-58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	-0.01984	-5	-58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.6302	55	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-5 (bg)	0.01998	24	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	11	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-14	0.7649	46	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-17</b>	<b>4.747</b>	<b>101</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-18	6.487	31	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-19</b>	<b>2.712</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-21	1.647	46	58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>SGWC-22</b>	<b>1.593</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWC-23</b>	<b>-1.693</b>	<b>-59</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>SGWC-7</b>	<b>-1.973</b>	<b>-68</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	SGWC-8	0.8506	42	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-0.277	-13	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.04923	-20	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	-0.03573	-26	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWA-3 (bg)</b>	<b>-0.2953</b>	<b>-71</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWA-4 (bg)	0	-16	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	-0.04189	-23	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	-0.05382	-10	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0	0	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1386	41	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-13</b>	<b>0.9667</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-14	0	-14	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.0613	28	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.1524	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-17	-0.04873	-17	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-18</b>	<b>2.001</b>	<b>82</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-19	-0.06213	-19	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	3	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-21</b>	<b>0.9343</b>	<b>86</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-22	0	22	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.09838	29	58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-7</b>	<b>-0.6836</b>	<b>-63</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	SGWC-8	-0.5011	-41	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>SGWC-9</b>	<b>1.551</b>	<b>94</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWA-1 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.003284	-61	-81	No	20	50	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.005442	-65	-81	No	20	50	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.001763	-57	-81	No	20	50	n/a	n/a	0.01	NP

# Appendix III Trend Test - Prediction Limit Exceedances - All Results Page 2

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 5/26/2021, 9:32 PM

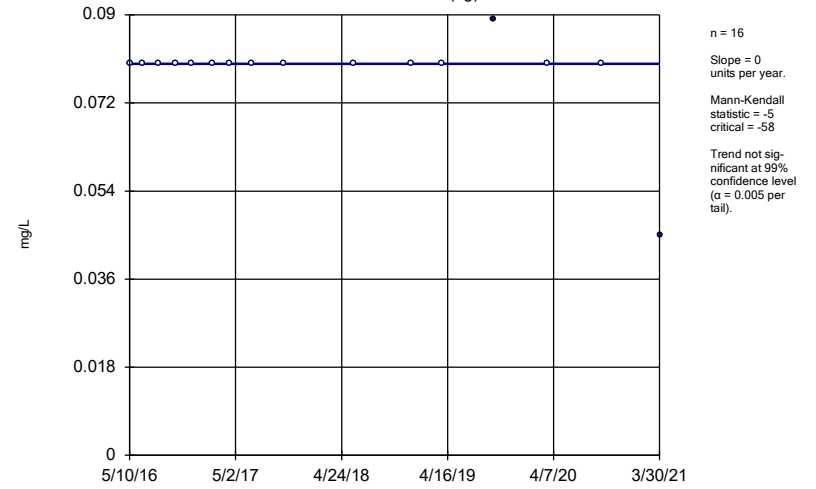
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	SGWA-3 (bg)	0	16	81	No	20	75	n/a	n/a	0.01	NP
<b>Fluoride, total (mg/L)</b>	<b>SGWA-4 (bg)</b>	<b>-0.009133</b>	<b>-83</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWA-5 (bg)	0	7	81	No	20	90	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-15	0	14	81	No	20	0	n/a	n/a	0.01	NP
<b>Fluoride, total (mg/L)</b>	<b>SGWC-20</b>	<b>-0.0263</b>	<b>-103</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Fluoride, total (mg/L)	SGWC-6	-0.003931	-27	-81	No	20	15	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.01132	-61	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.02888	-74	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.0422	-64	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	-0.002649	-13	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.008333	24	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.02232	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02498	45	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01798	-45	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0.01022	13	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01561	-24	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02446	49	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005014	-8	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	-0.0111	-10	-58	No	16	25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	31	58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	3	58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	-19	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1506	-43	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWA-4 (bg)</b>	<b>-0.1896</b>	<b>-60</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWA-5 (bg)	0	36	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-10	0.3471	8	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-12</b>	<b>5.76</b>	<b>85</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-13	1.614	27	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-25	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	4	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-16</b>	<b>6.004</b>	<b>114</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-17</b>	<b>16.46</b>	<b>103</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-18	102.3	43	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	10.39	57	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>SGWC-20</b>	<b>-10.48</b>	<b>-69</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-21</b>	<b>10.06</b>	<b>80</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-22</b>	<b>6.165</b>	<b>84</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate, total (mg/L)</b>	<b>SGWC-23</b>	<b>-11.98</b>	<b>-86</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate, total (mg/L)	SGWC-7	-1.037	-44	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.367	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-9	0	-6	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-5.888	-38	-58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	-12	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-5.275	-41	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	0.3424	1	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	8.78	46	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-5.998	-46	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	0	14	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	0	11	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	5.596	29	58	No	16	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>SGWC-17</b>	<b>27.37</b>	<b>91</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	191.4	45	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	13.31	30	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-4.859	-14	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	4.854	13	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	9.66	54	58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-15.72	-48	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-5.945	-35	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-4.407	-9	-58	No	16	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator SGWA-1 (bg)



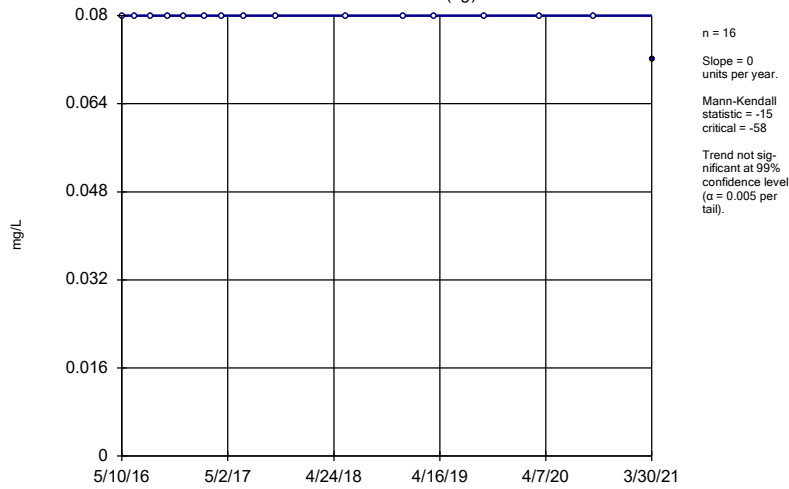
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWA-2 (bg)



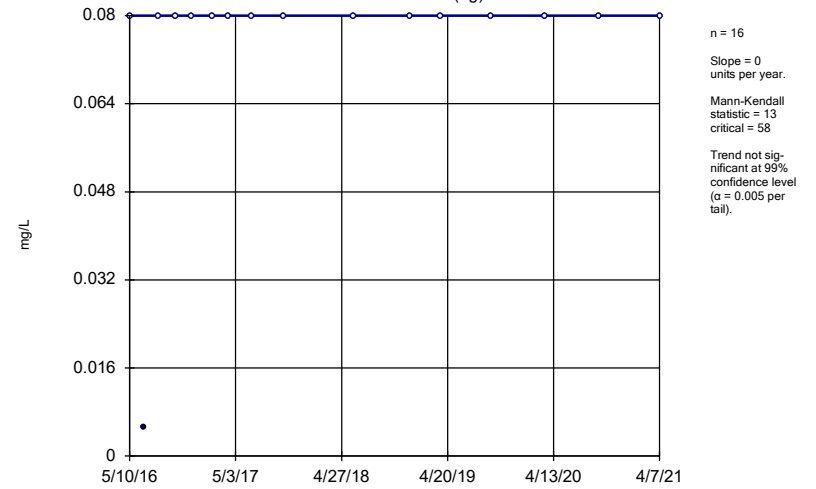
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWA-24 (bg)



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

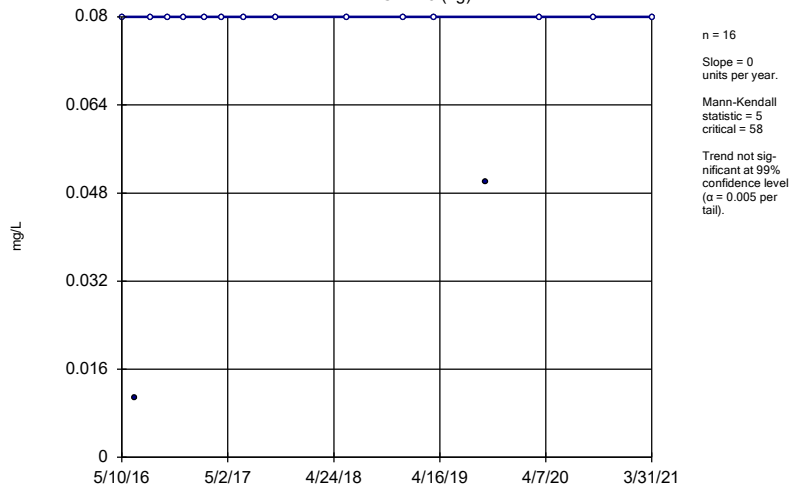
### Sen's Slope Estimator SGWA-25 (bg)



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

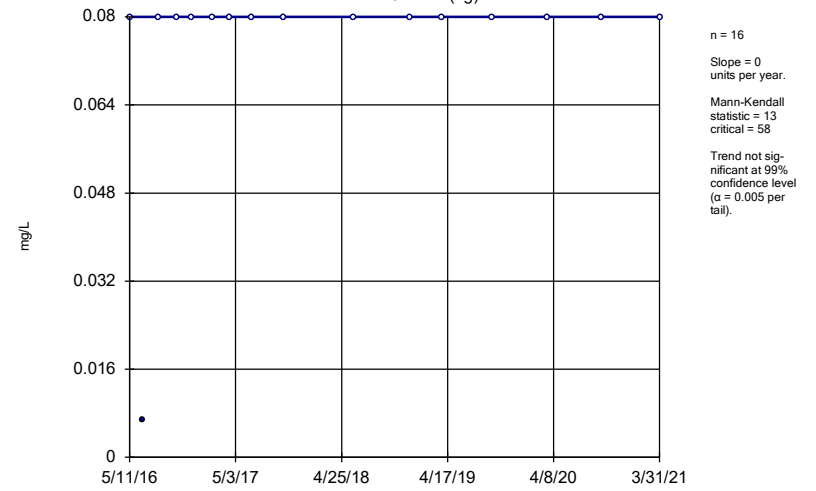
SGWA-3 (bg)



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

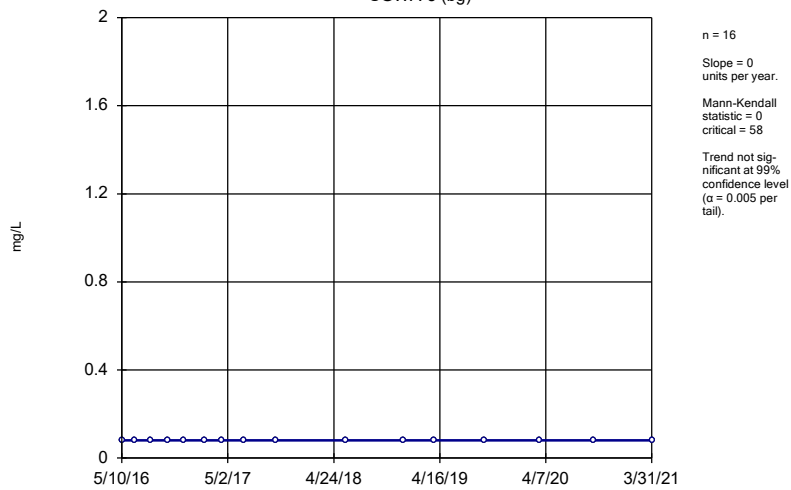
SGWA-4 (bg)



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

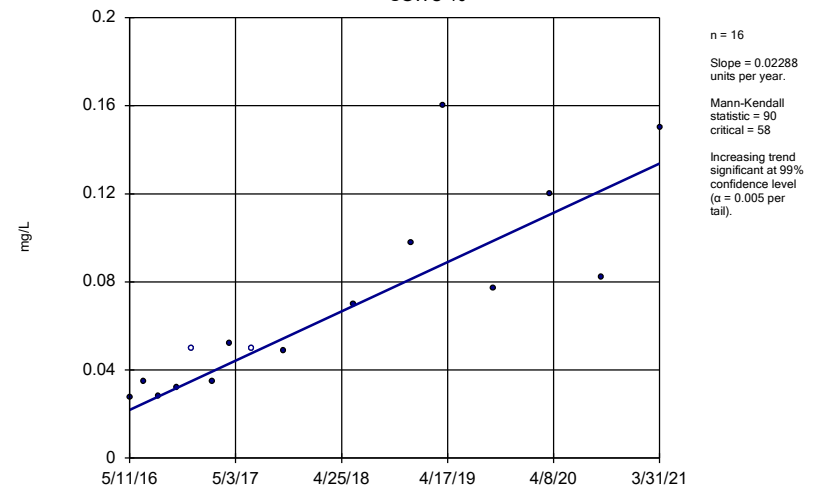
SGWA-5 (bg)



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

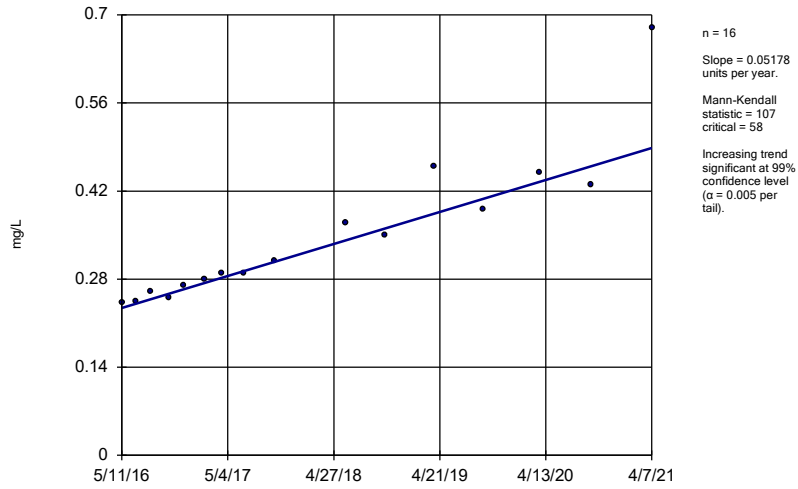
SGWC-10



Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

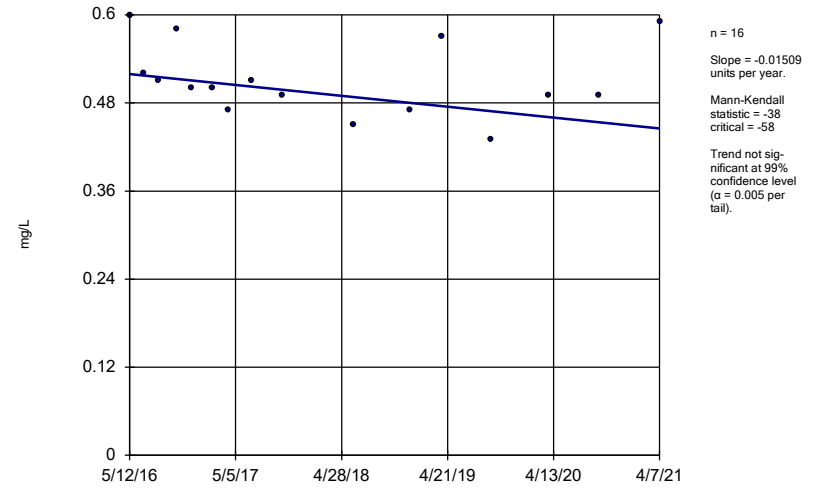


Sen's Slope Estimator  
SGWC-11



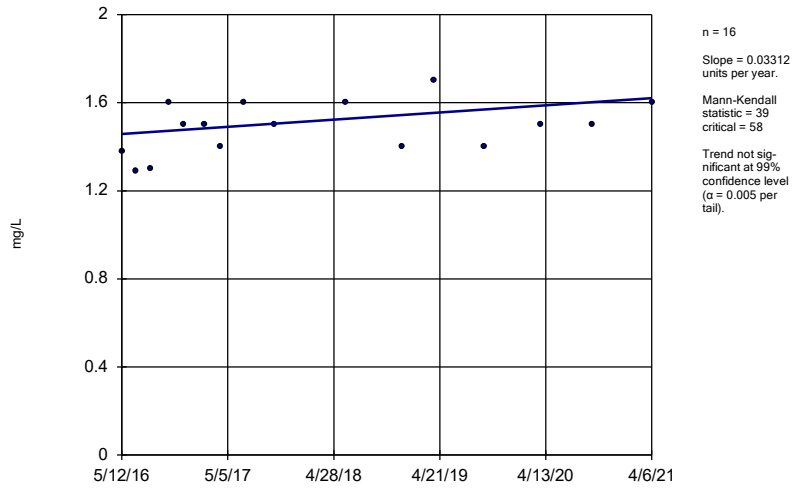
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Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-13



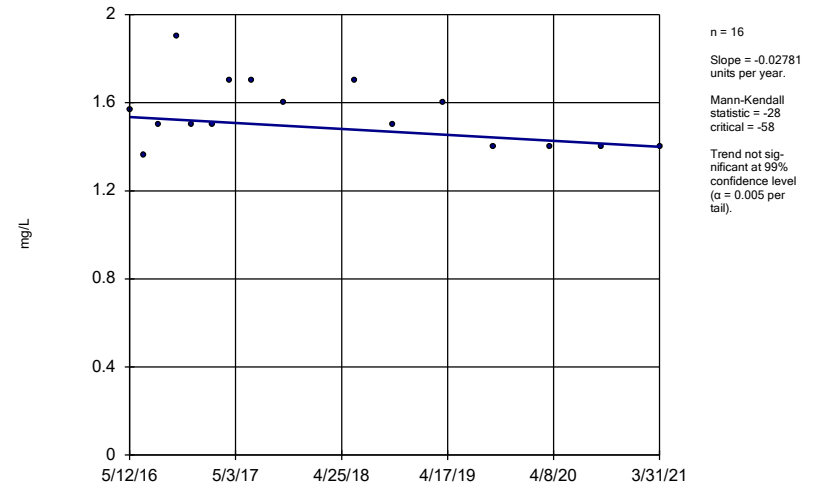
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Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-14



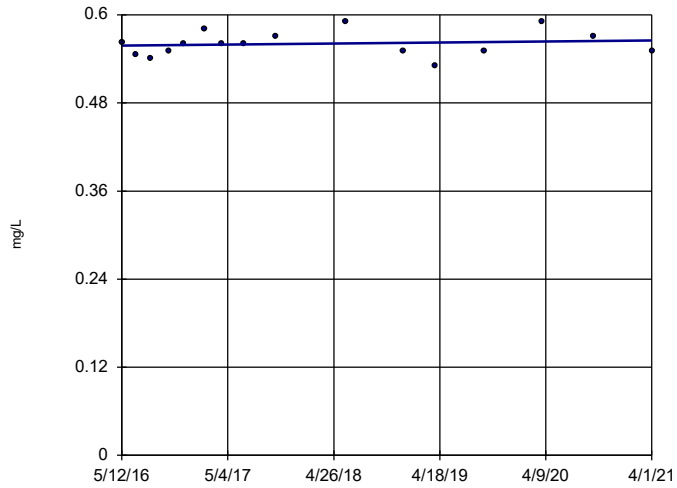
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Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-15



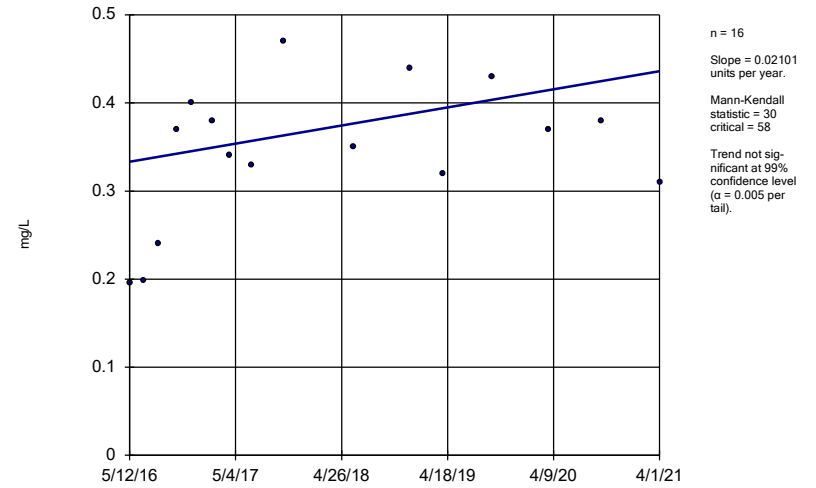
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-16



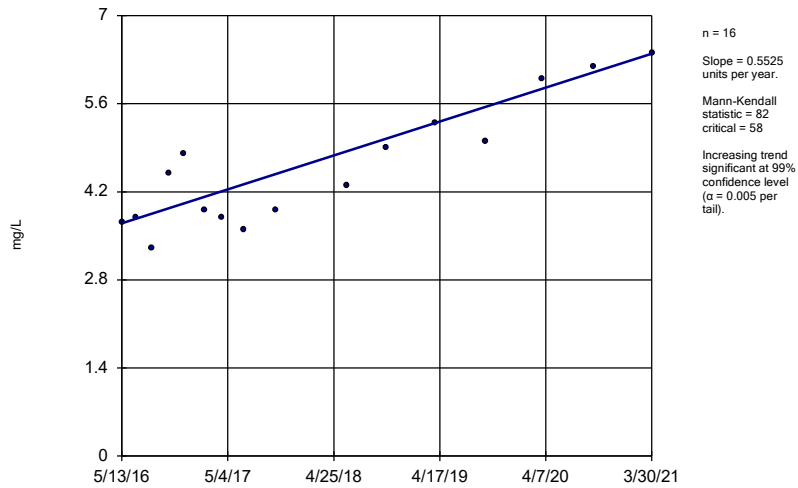
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-17



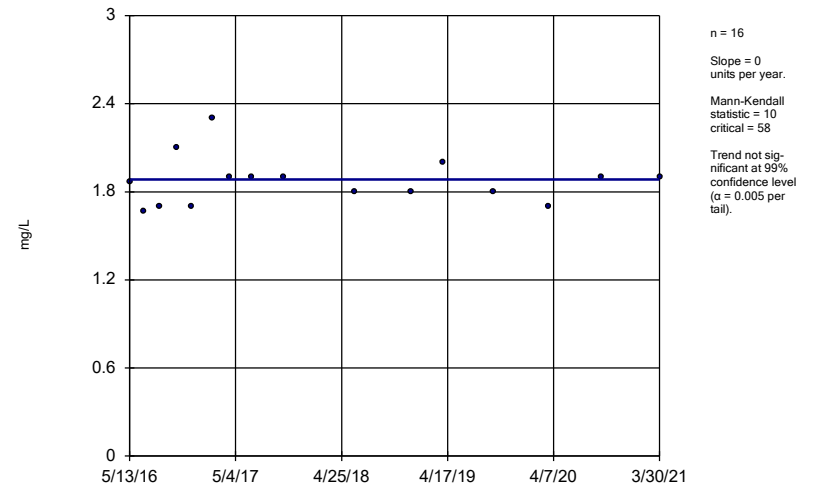
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-18



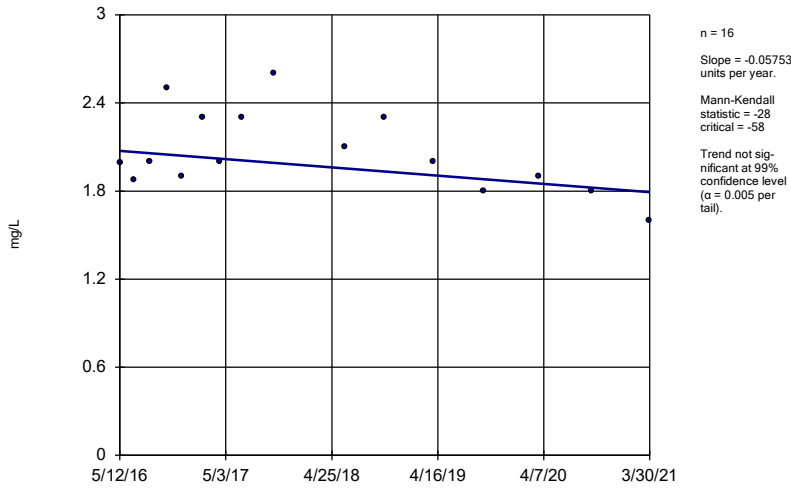
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-19



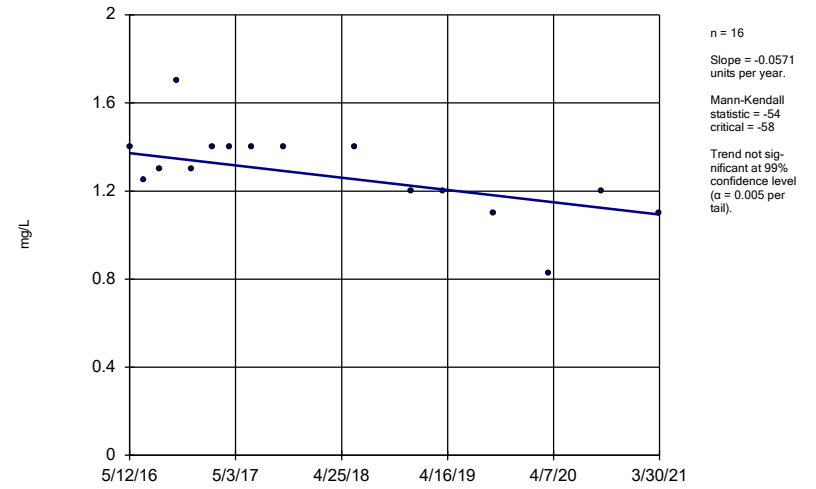
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-20



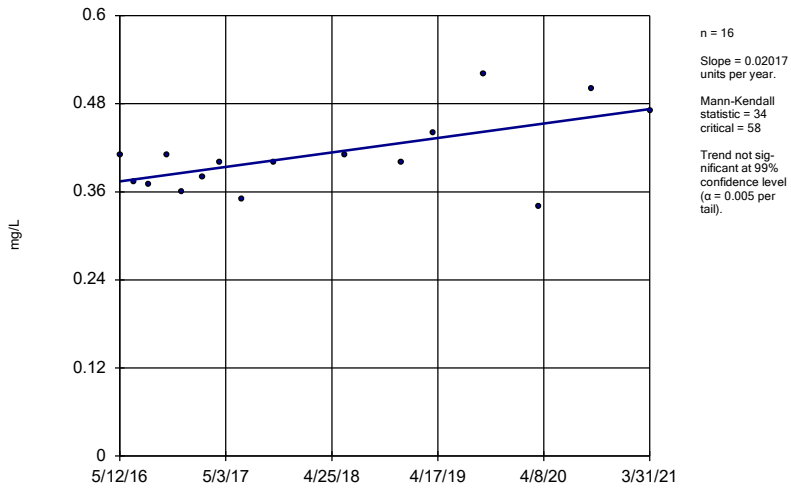
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-21



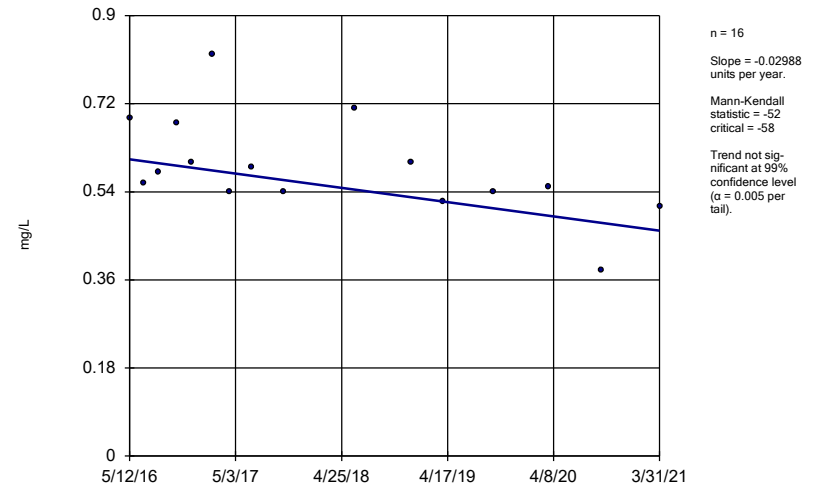
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-22



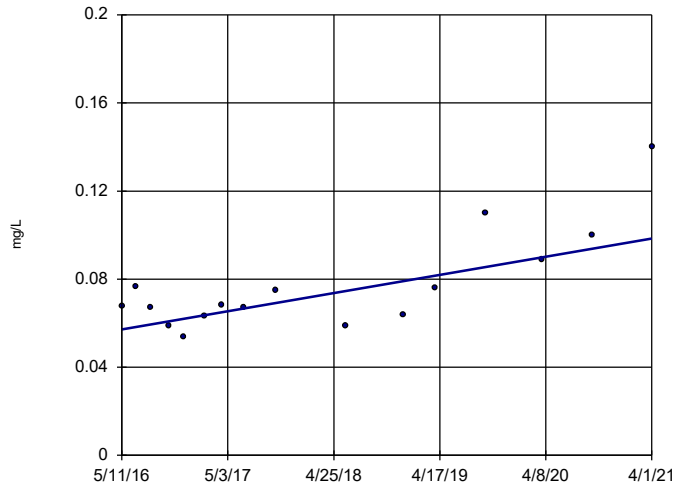
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Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-23



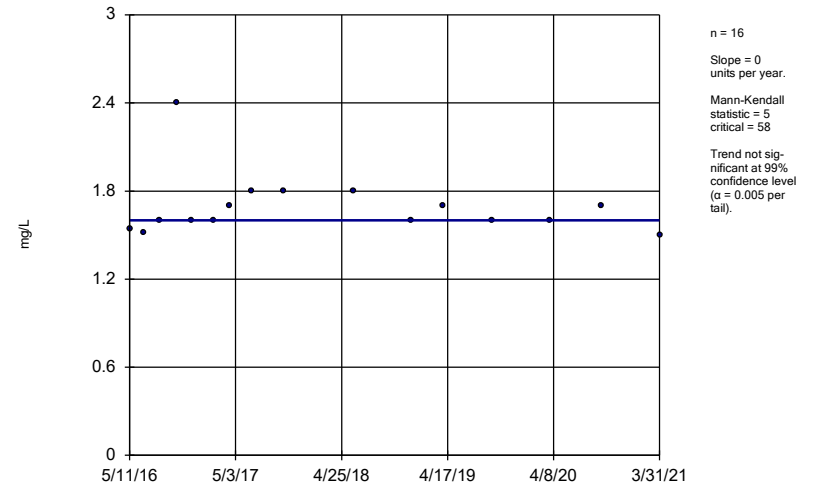
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-8



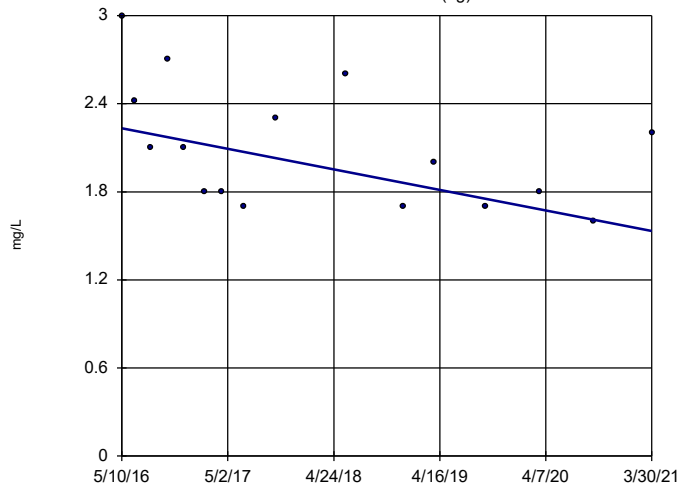
Constituent: Boron, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-9



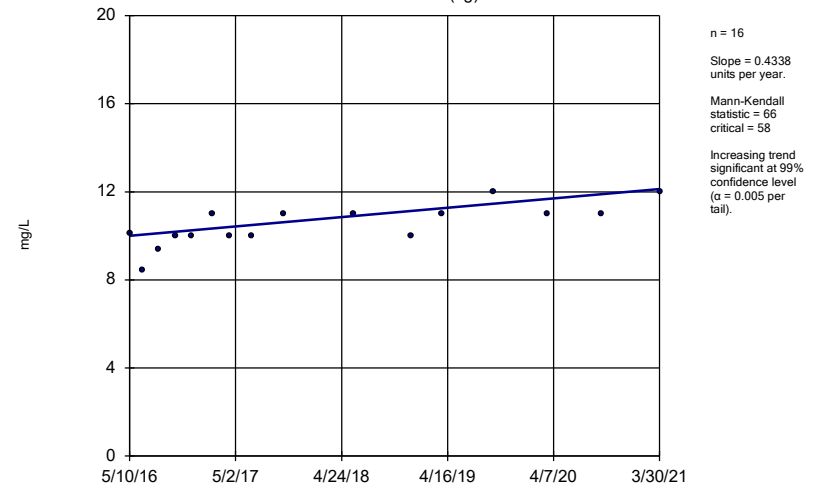
Constituent: Boron, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWA-1 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

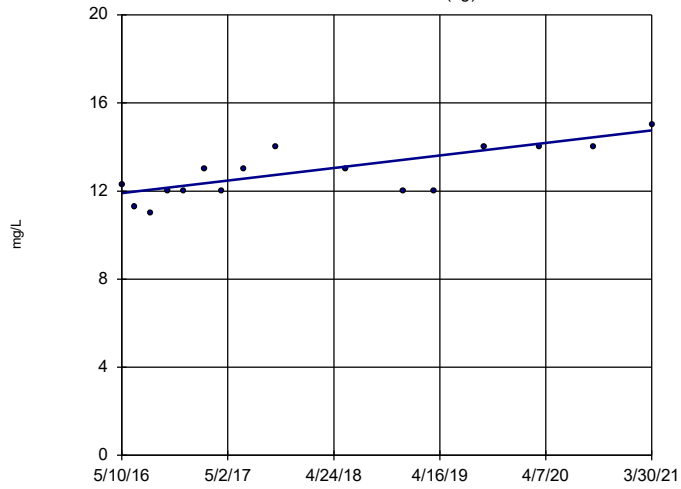
### Sen's Slope Estimator SGWA-2 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

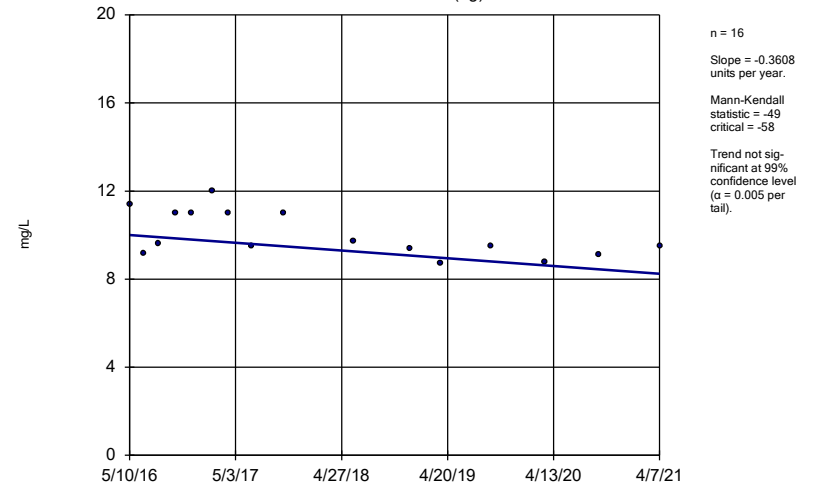
SGWA-24 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

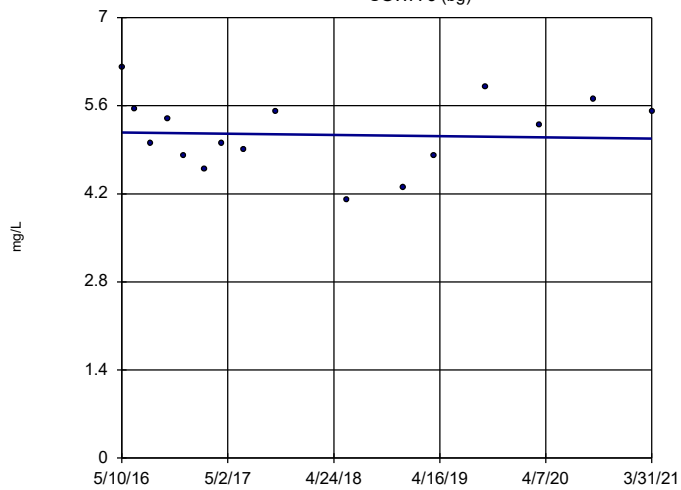
SGWA-25 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

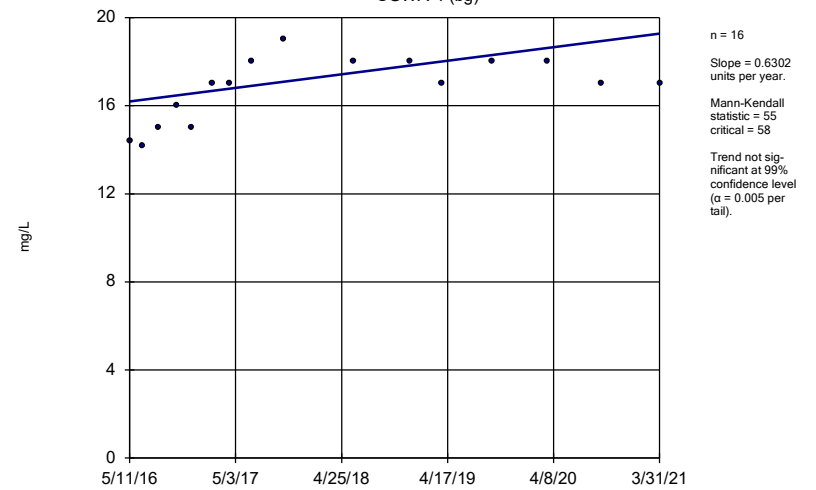
SGWA-3 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

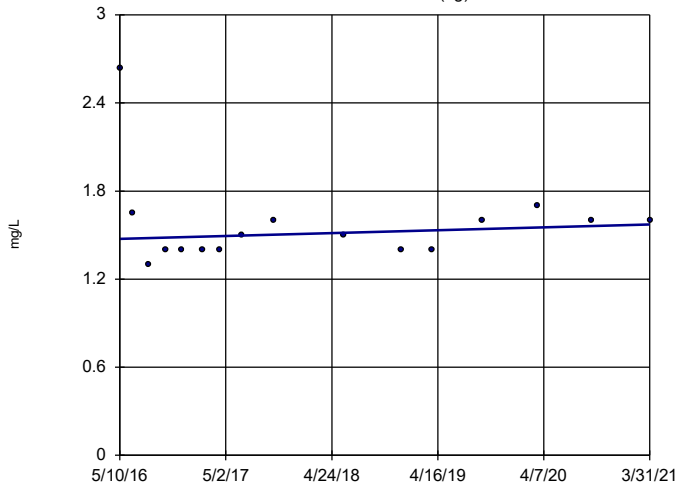
SGWA-4 (bg)



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWA-5 (bg)

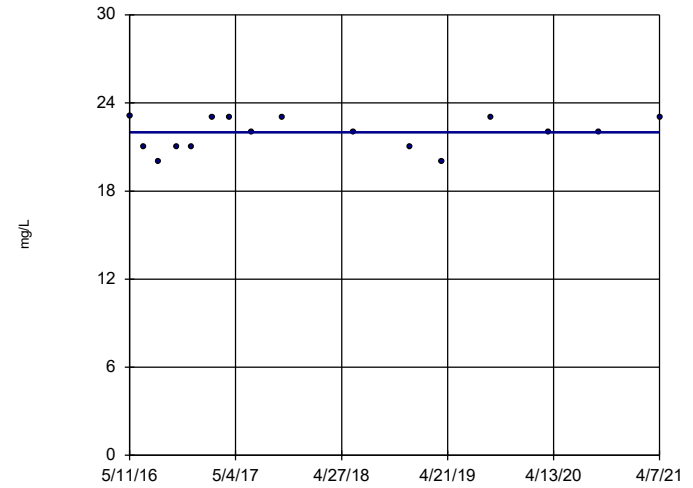


n = 16  
 Slope = 0.01998  
 units per year.  
 Mann-Kendall  
 statistic = 24  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-12

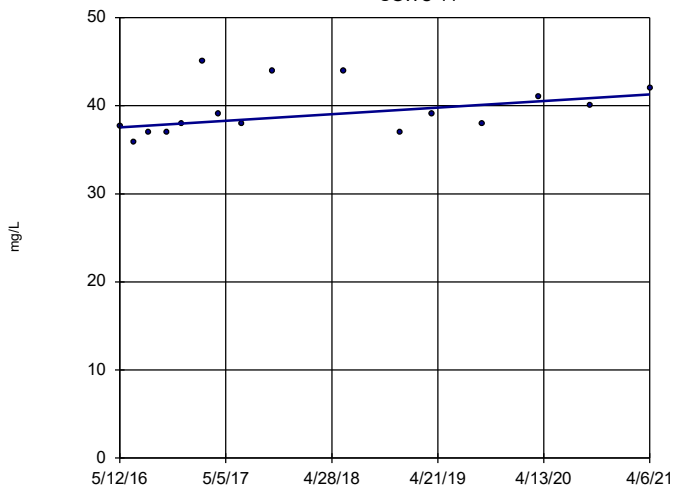


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 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 11  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-14

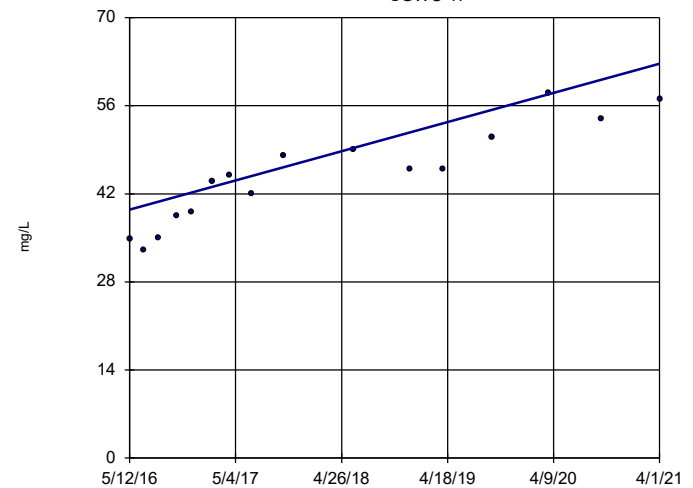


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 Slope = 0.7649  
 units per year.  
 Mann-Kendall  
 statistic = 46  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-17

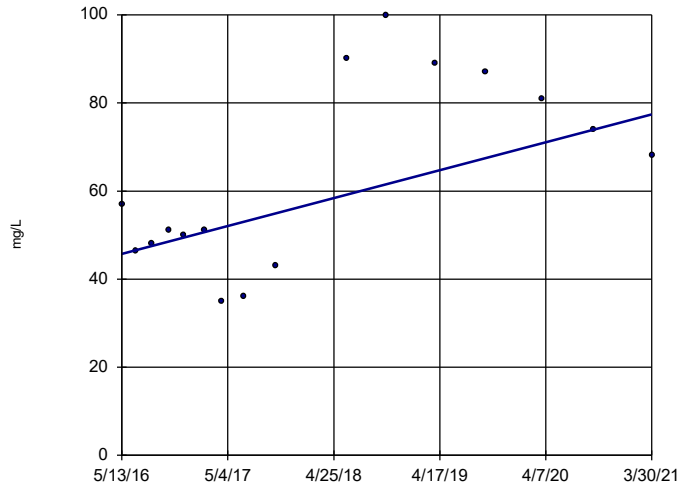


n = 16  
 Slope = 4.747  
 units per year.  
 Mann-Kendall  
 statistic = 101  
 critical = 58  
 Increasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

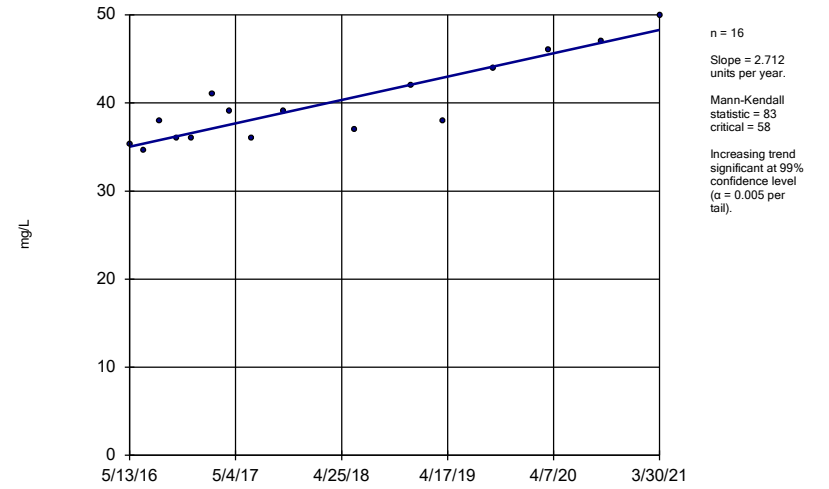
SGWC-18



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

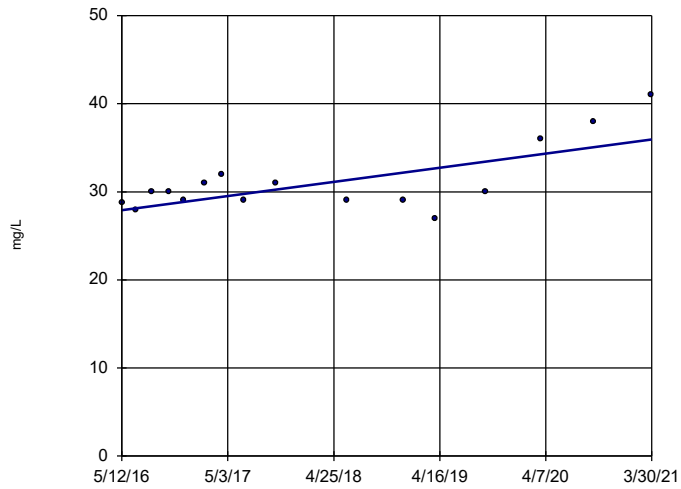
SGWC-19



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

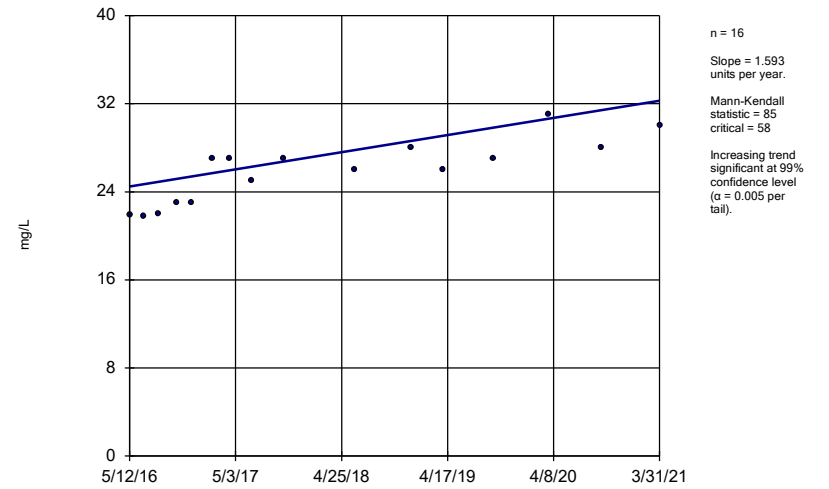
SGWC-21



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

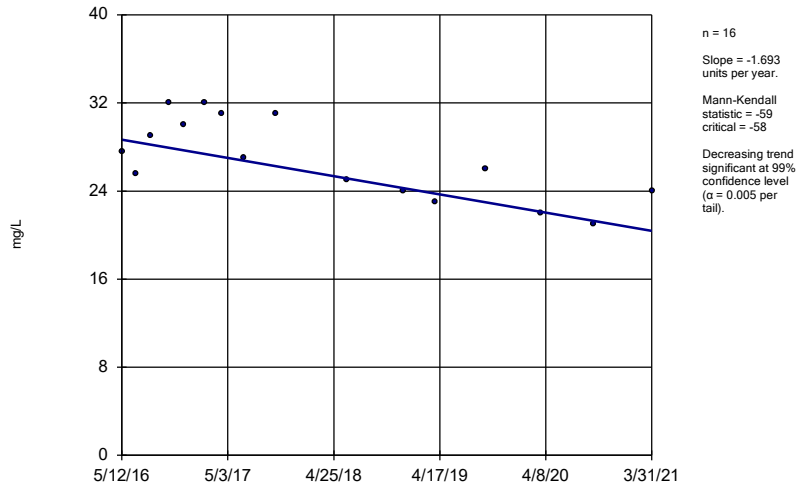
### Sen's Slope Estimator

SGWC-22



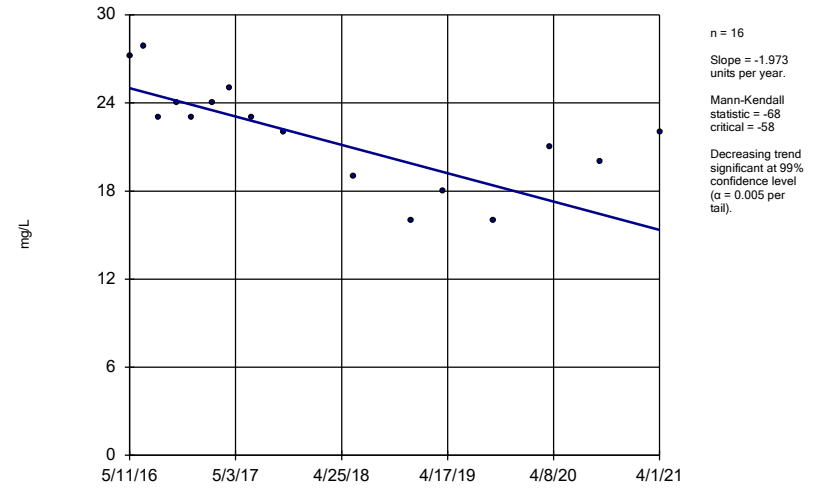
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-23



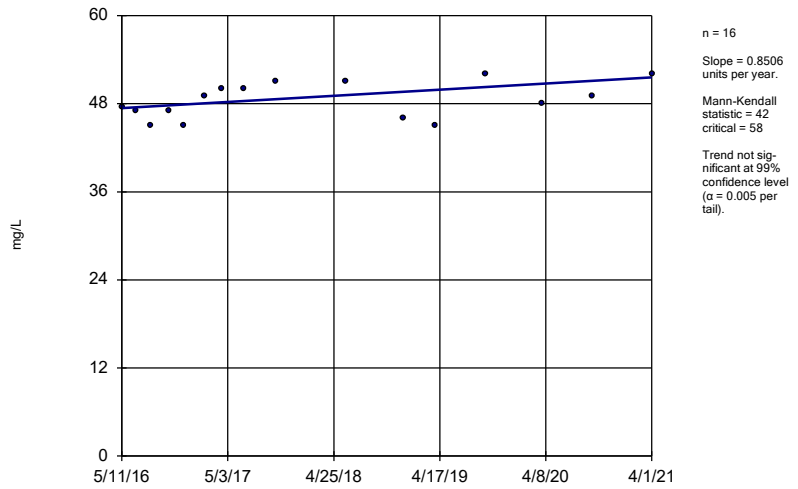
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-7



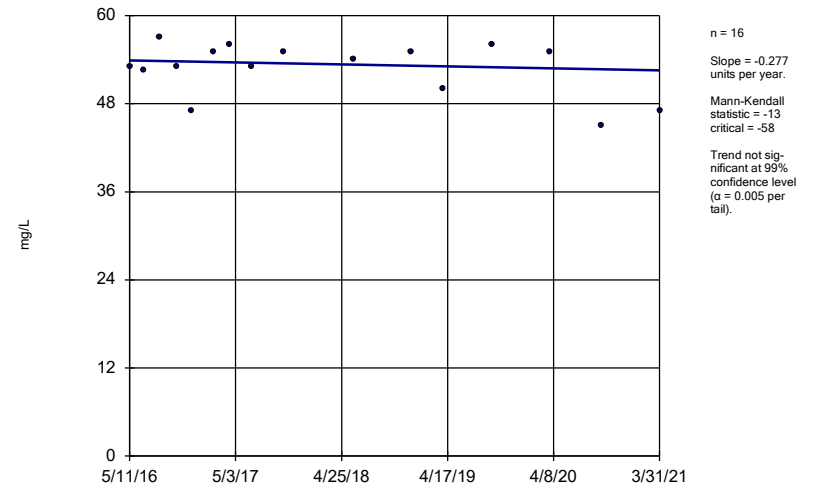
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-8



Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-9

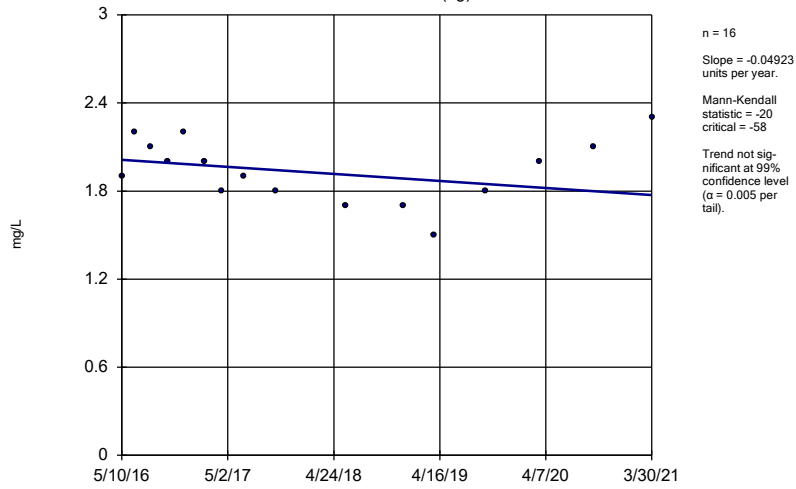


Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP



### Sen's Slope Estimator

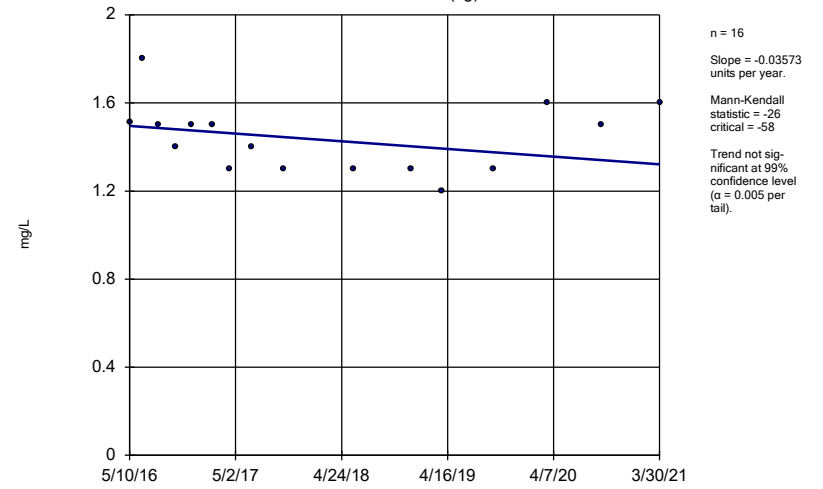
SGWA-1 (bg)



Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

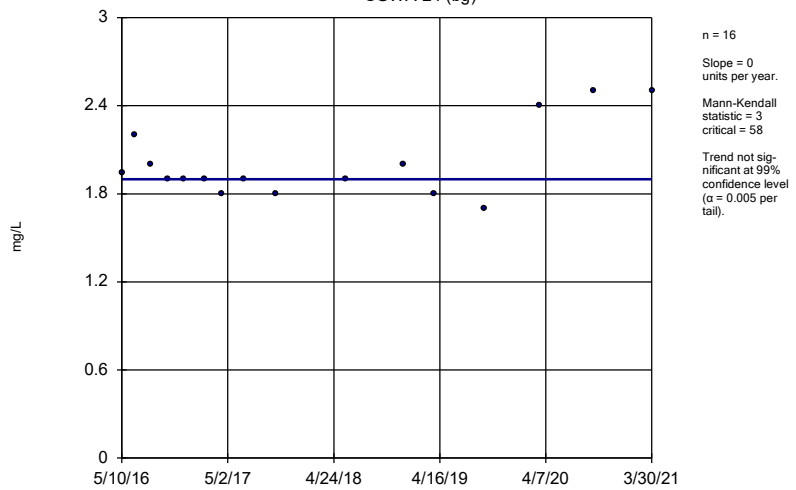
SGWA-2 (bg)



Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

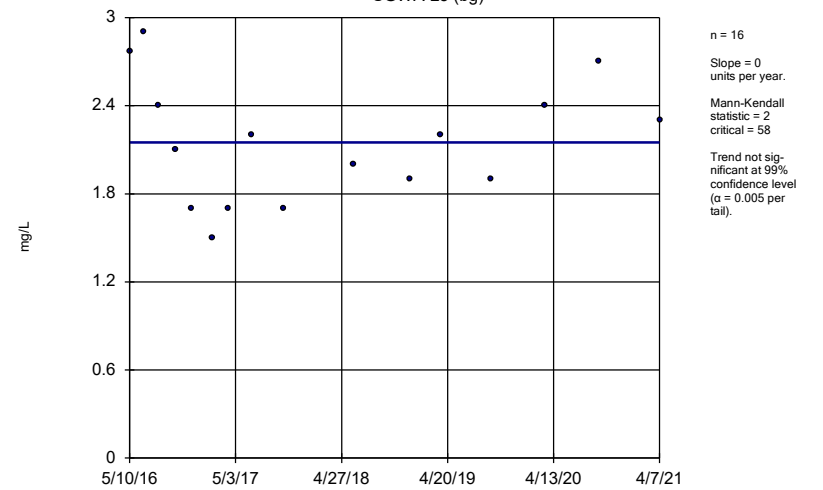
SGWA-24 (bg)



Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

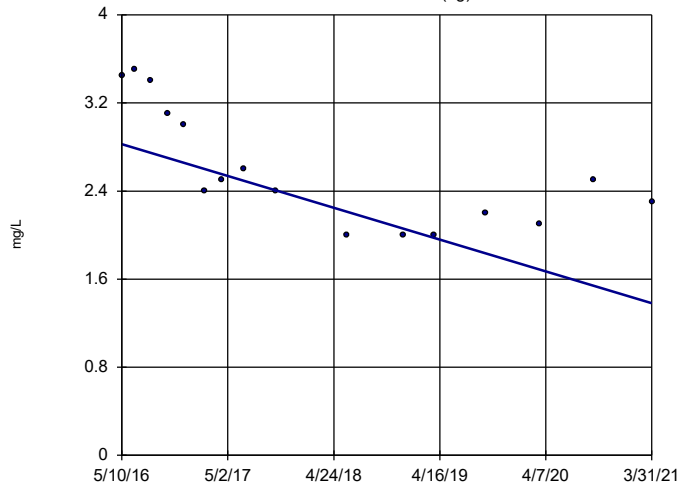
### Sen's Slope Estimator

SGWA-25 (bg)



Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

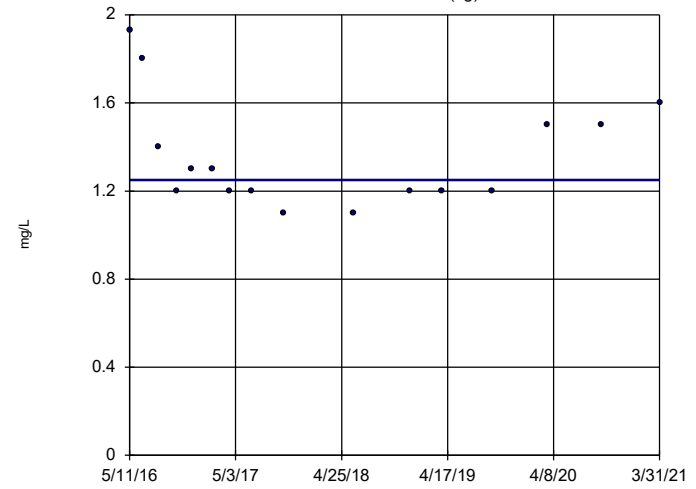
### Sen's Slope Estimator SGWA-3 (bg)



n = 16  
Slope = -0.2953  
units per year.  
Mann-Kendall  
statistic = -.71  
critical = -.58  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

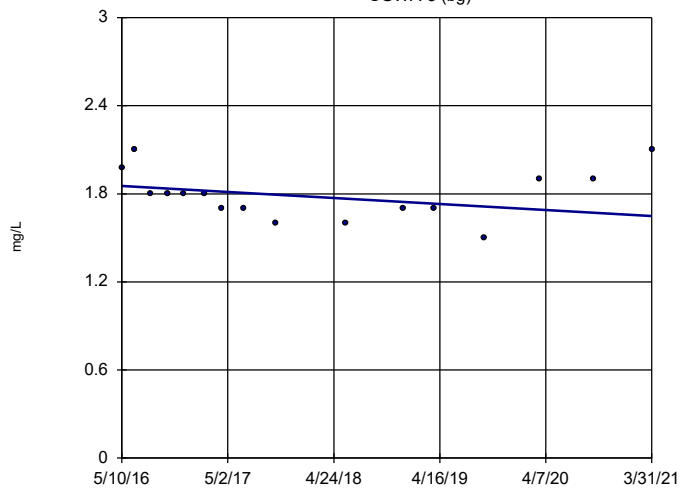
### Sen's Slope Estimator SGWA-4 (bg)



n = 16  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -.16  
critical = -.58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

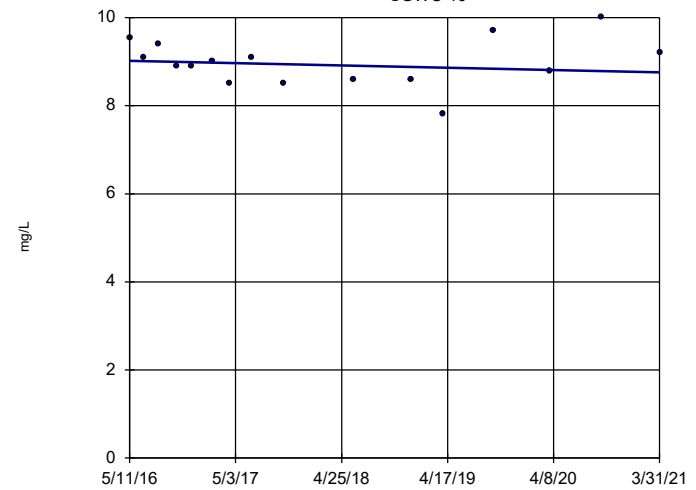
### Sen's Slope Estimator SGWA-5 (bg)



n = 16  
Slope = -0.04189  
units per year.  
Mann-Kendall  
statistic = -.23  
critical = -.58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

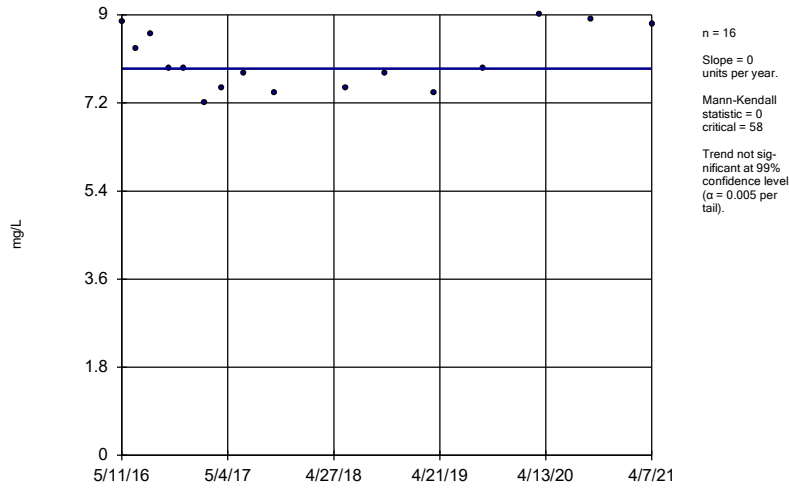
### Sen's Slope Estimator SGWC-10



n = 16  
Slope = -0.05382  
units per year.  
Mann-Kendall  
statistic = -.10  
critical = -.58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

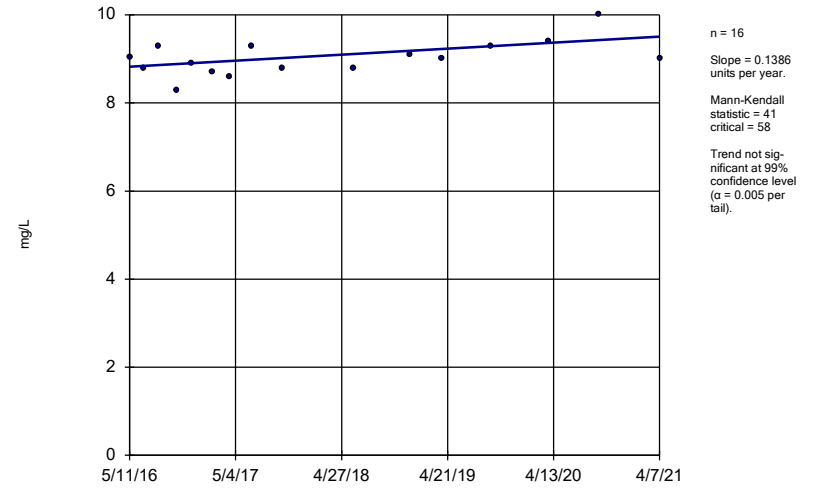
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-11



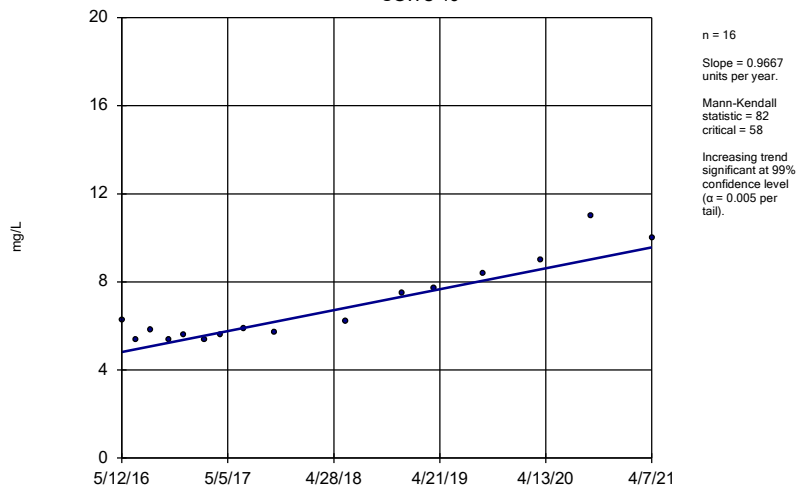
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-12



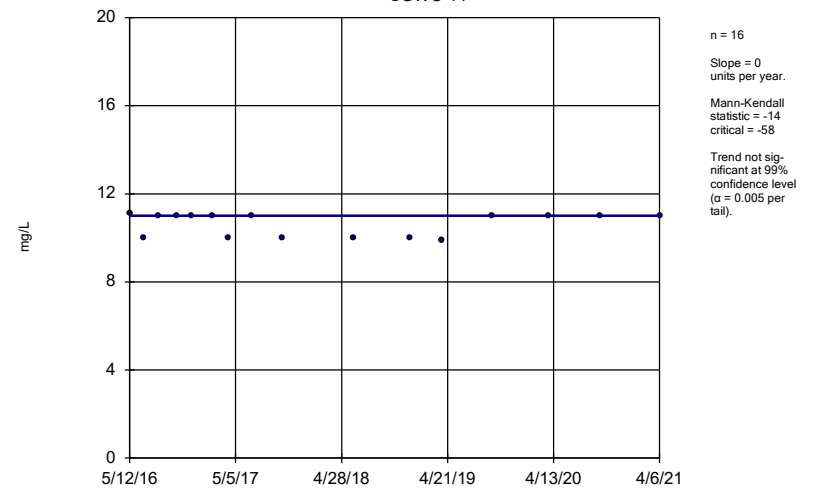
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-13



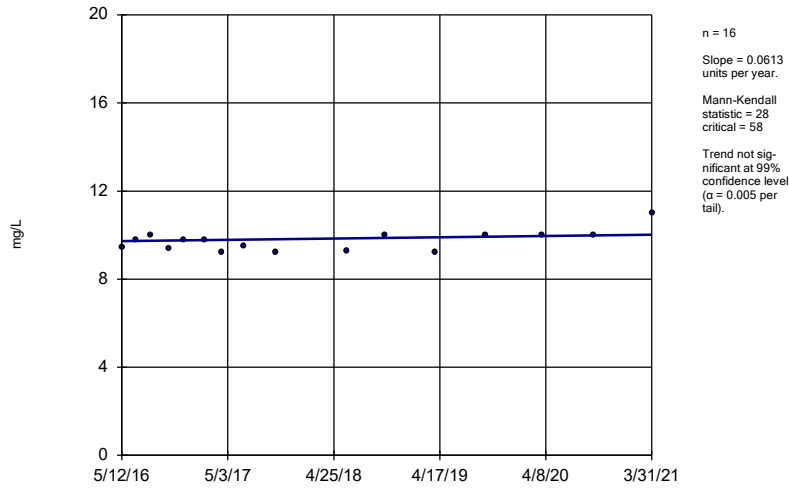
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-14



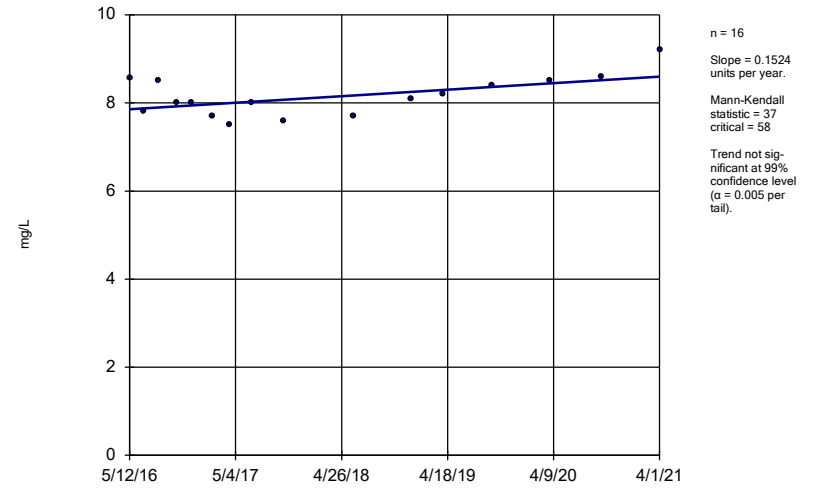
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-15



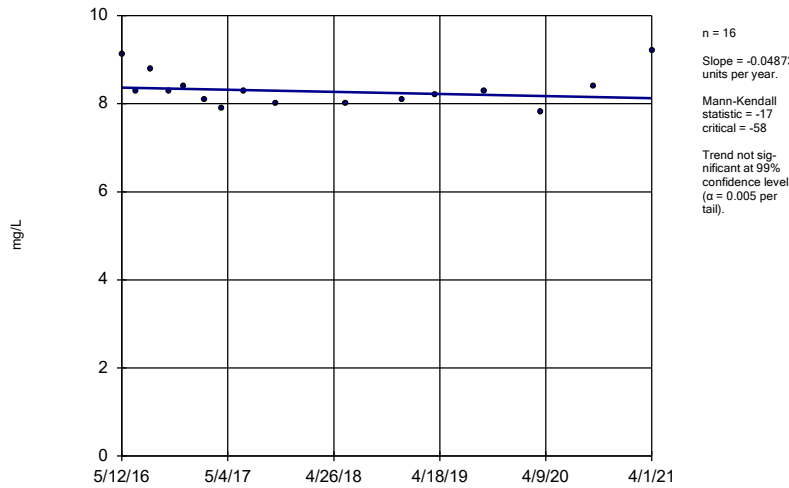
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-16



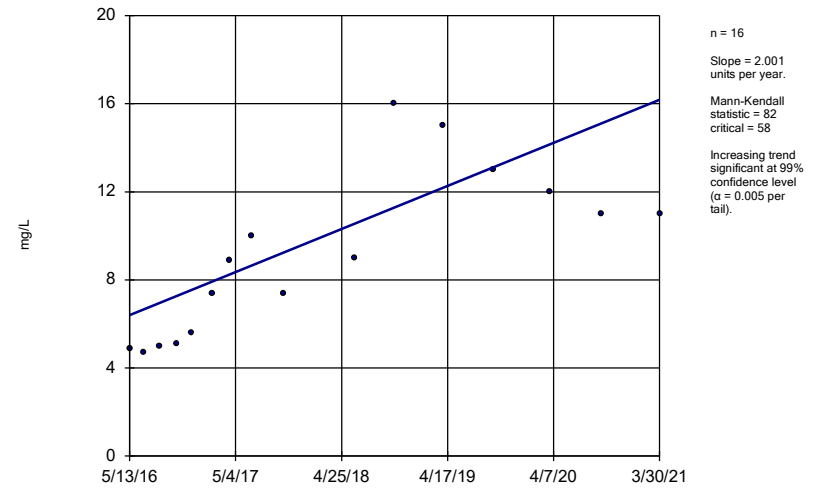
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-17



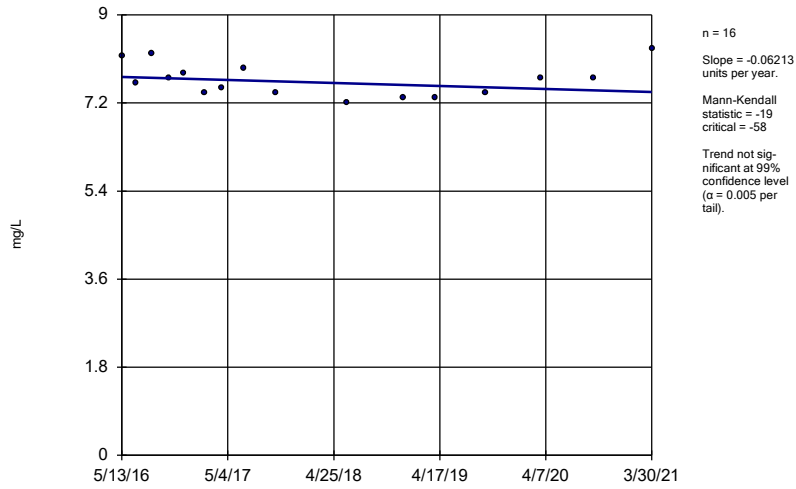
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-18



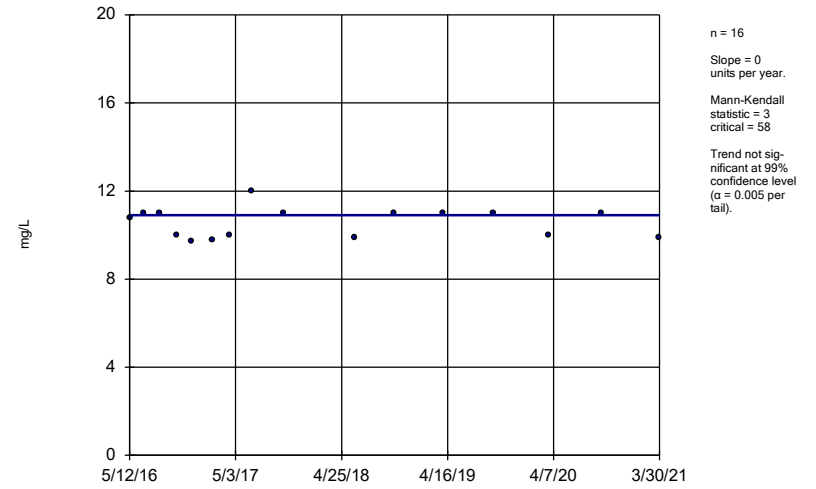
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-19



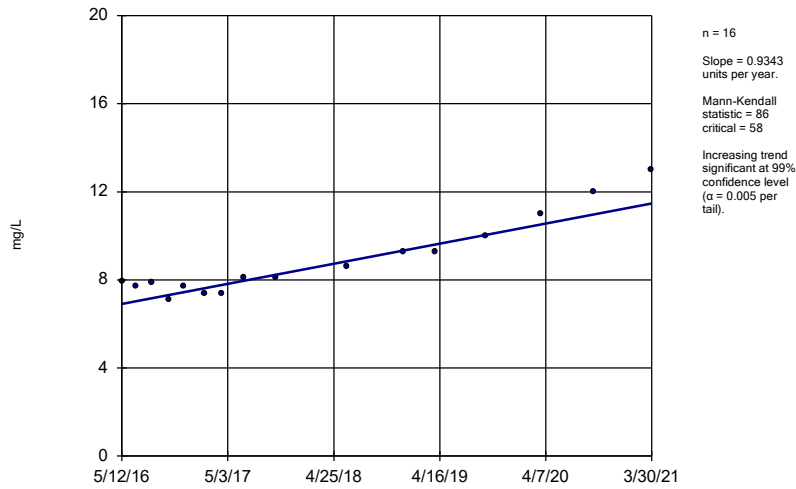
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-20



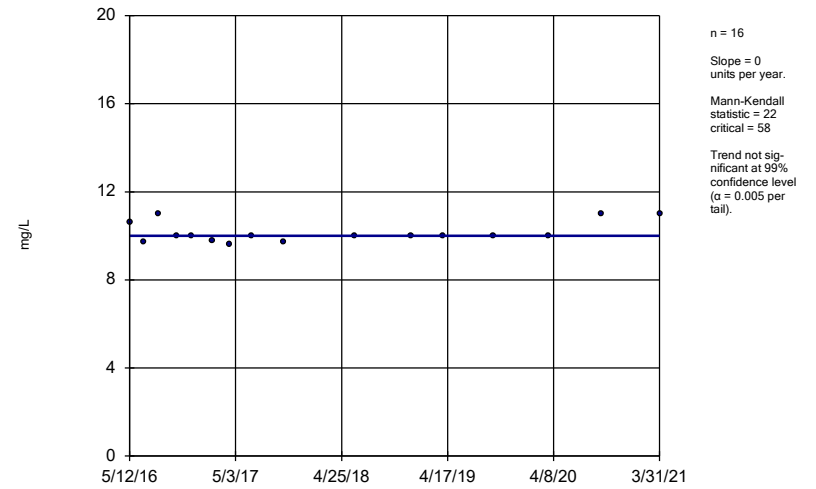
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-21



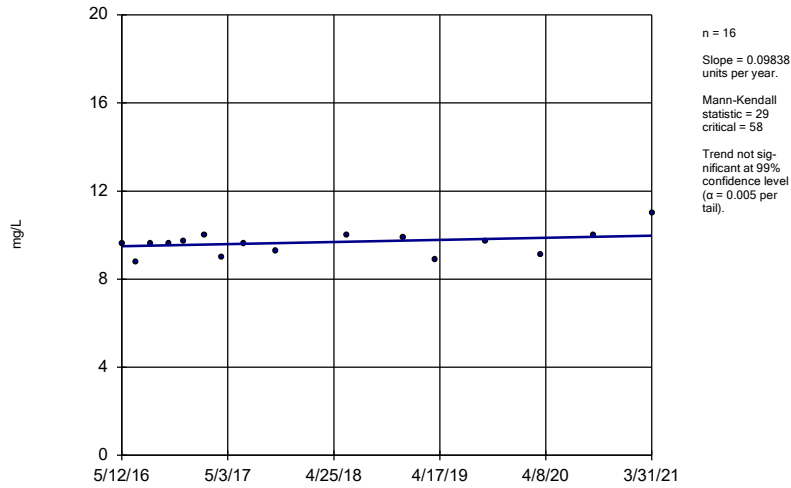
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-22



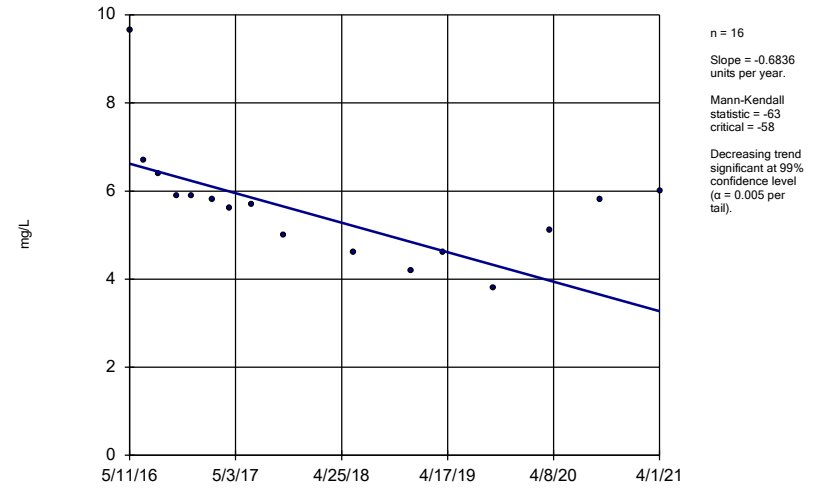
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-23



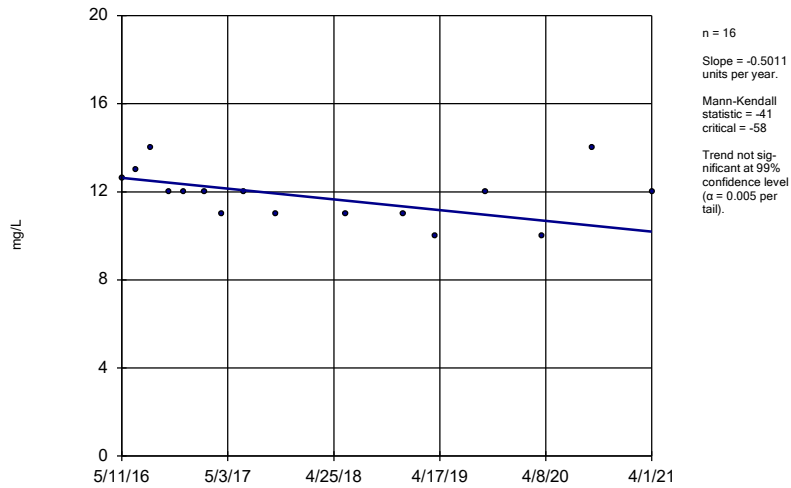
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-7



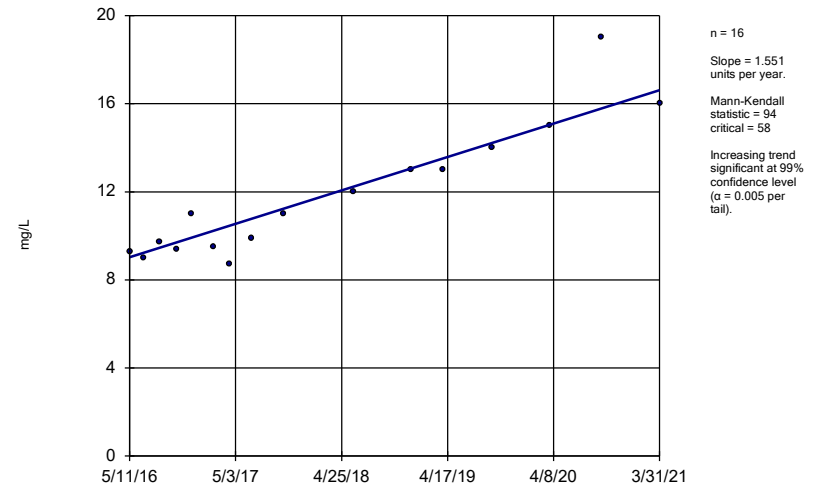
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-8



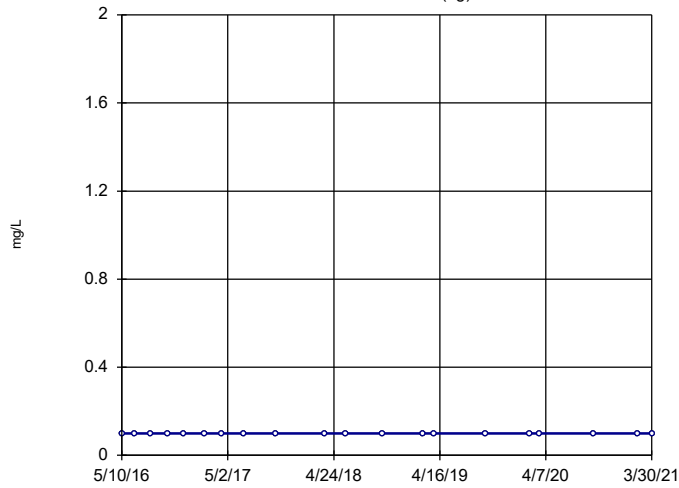
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-9



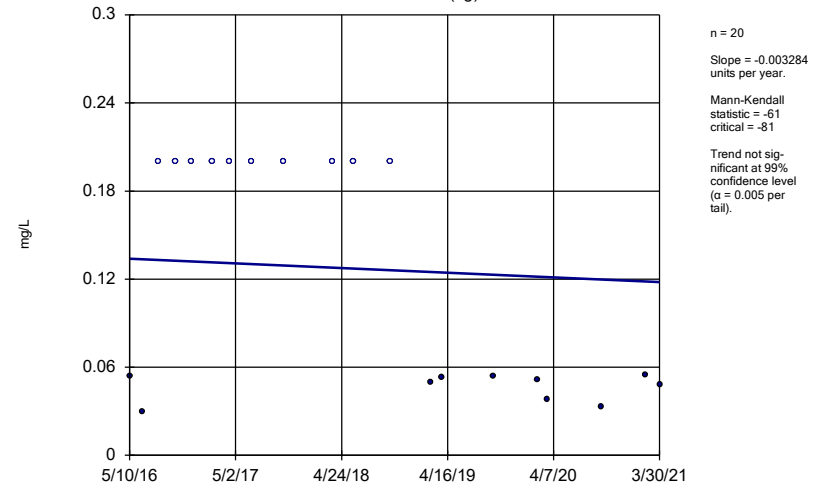
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
 SGWA-1 (bg)



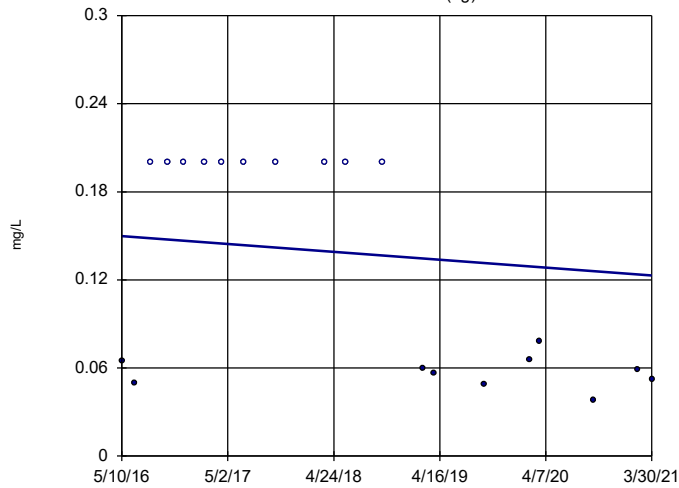
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
 SGWA-2 (bg)



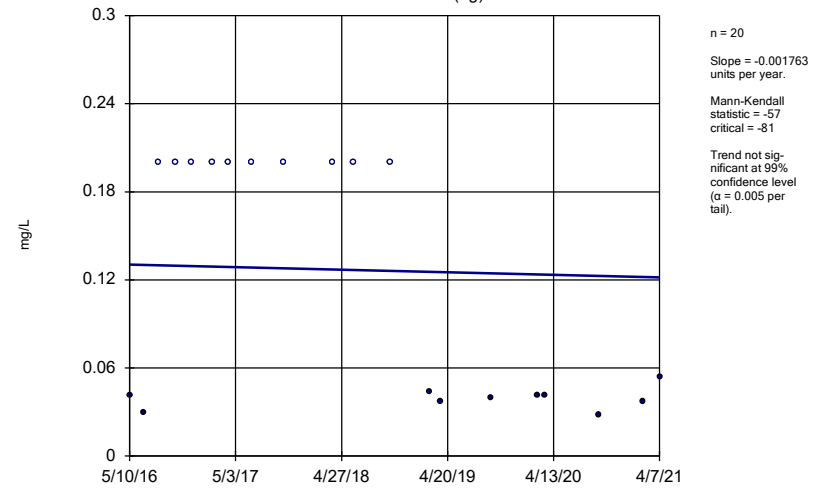
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
 SGWA-24 (bg)



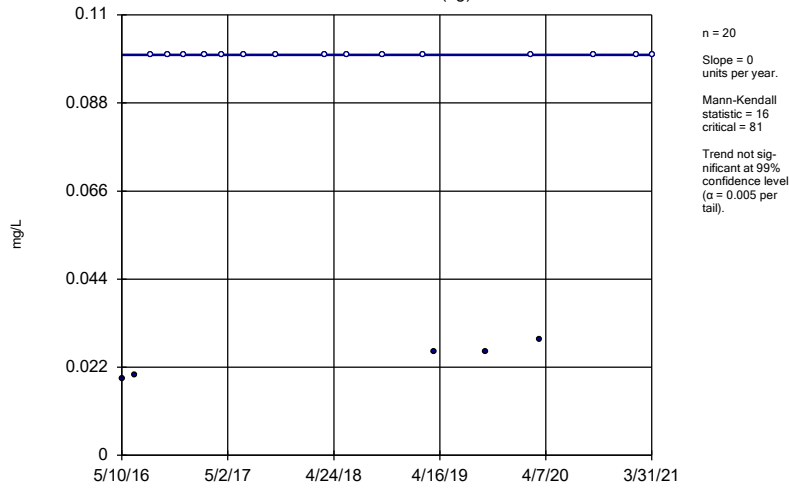
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
 SGWA-25 (bg)



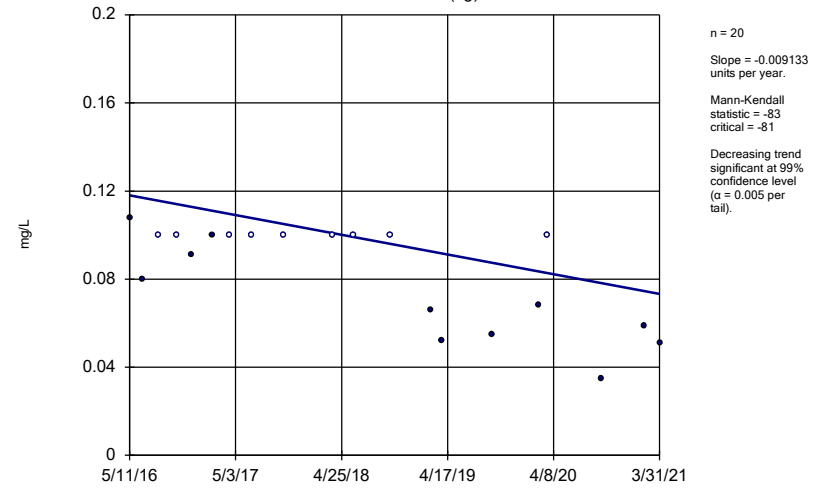
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWA-3 (bg)



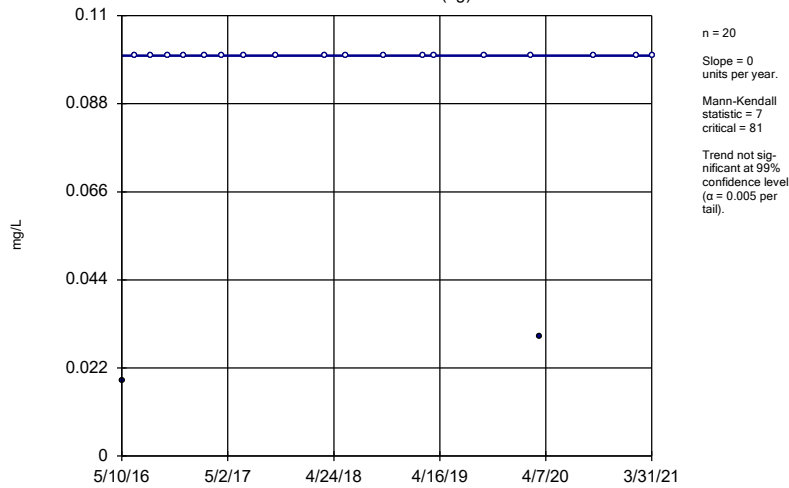
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWA-4 (bg)



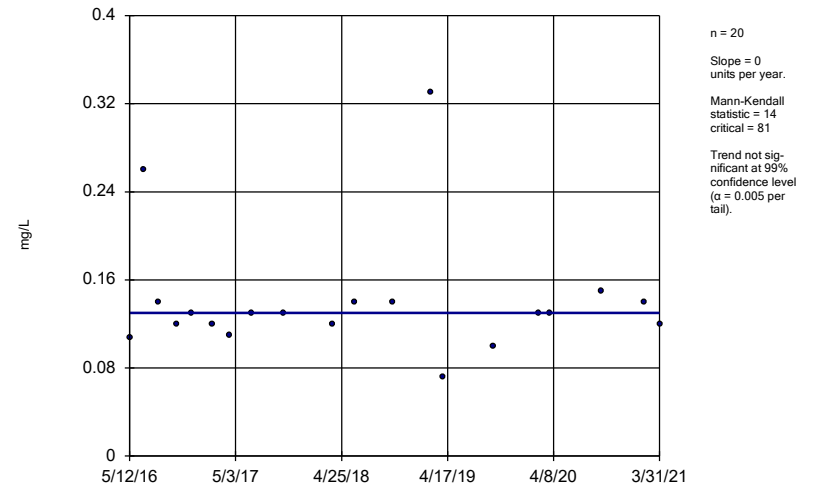
Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWA-5 (bg)



Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

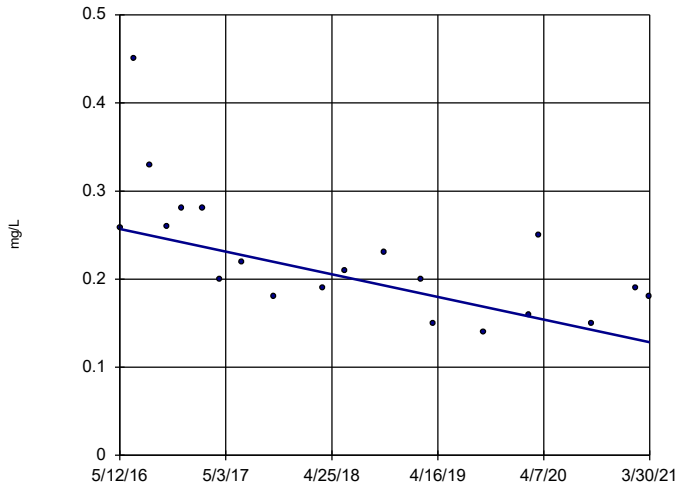
Sen's Slope Estimator  
SGWC-15



Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

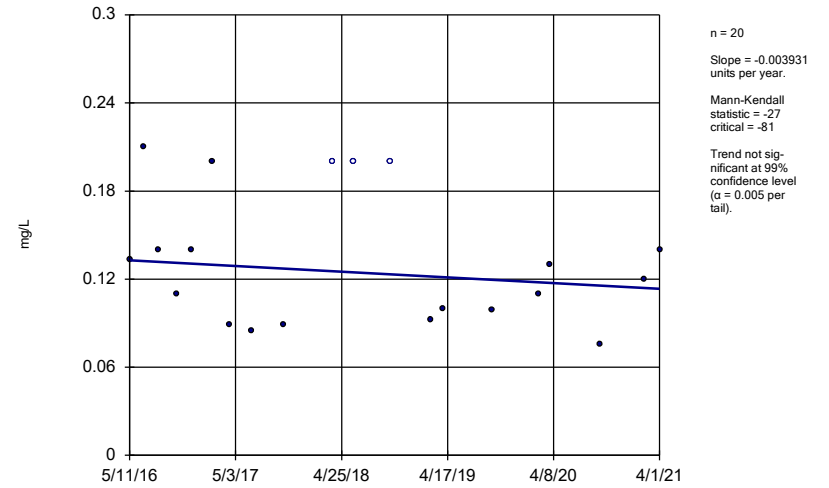


### Sen's Slope Estimator SGWC-20



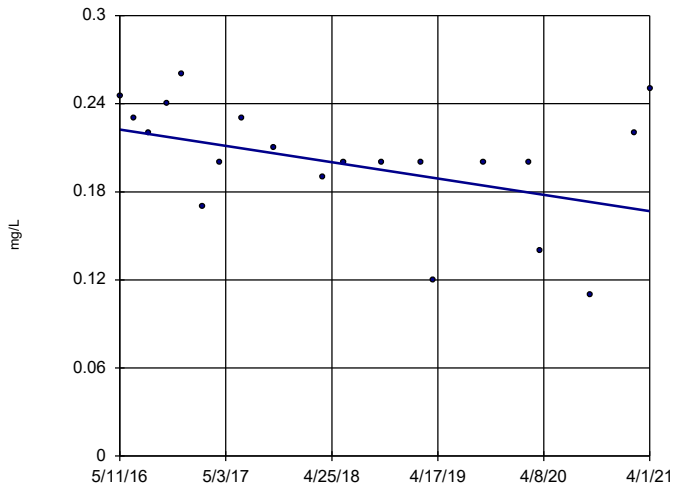
Constituent: Fluoride, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-6



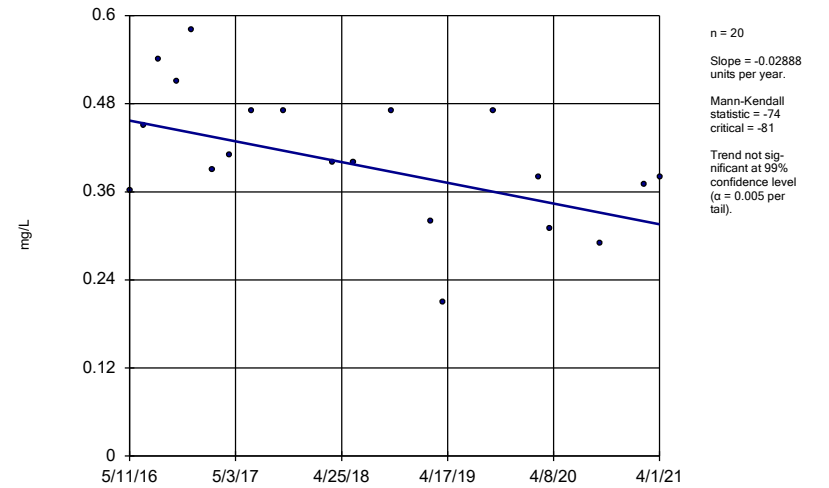
Constituent: Fluoride, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-7



Constituent: Fluoride, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

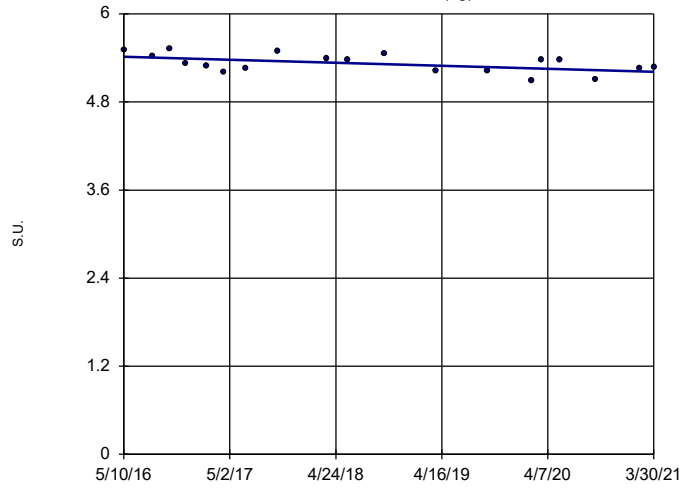
### Sen's Slope Estimator SGWC-8



Constituent: Fluoride, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

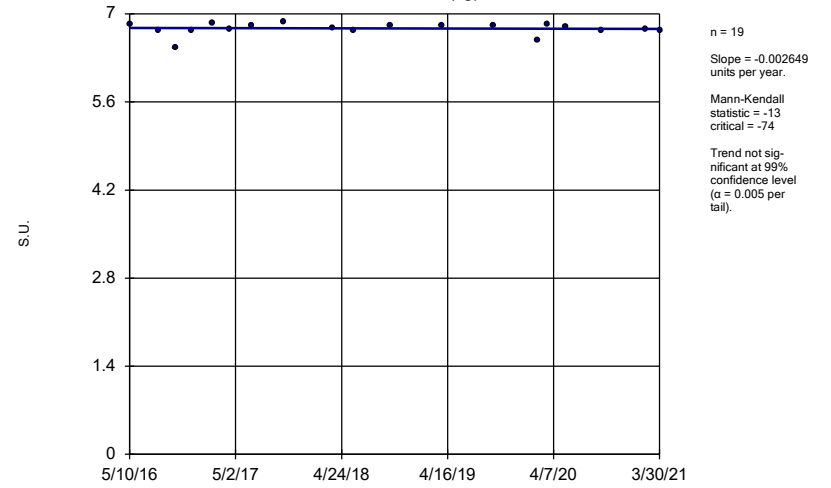
SGWA-1 (bg)



Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

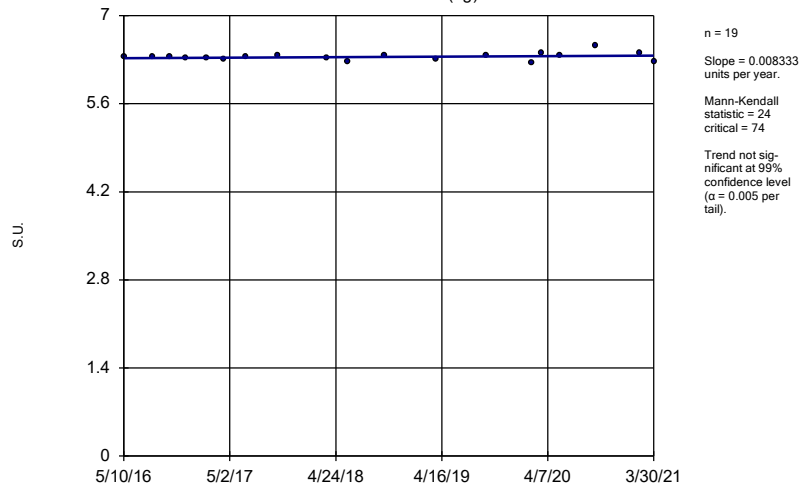
SGWA-2 (bg)



Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

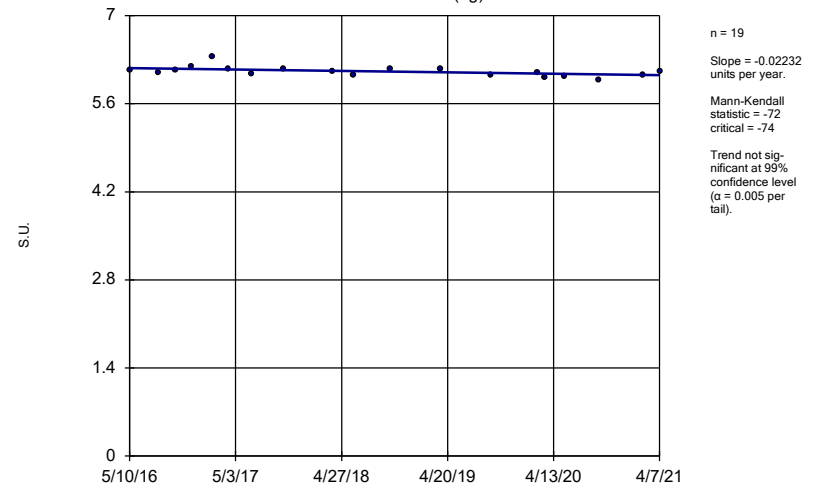
SGWA-24 (bg)



Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

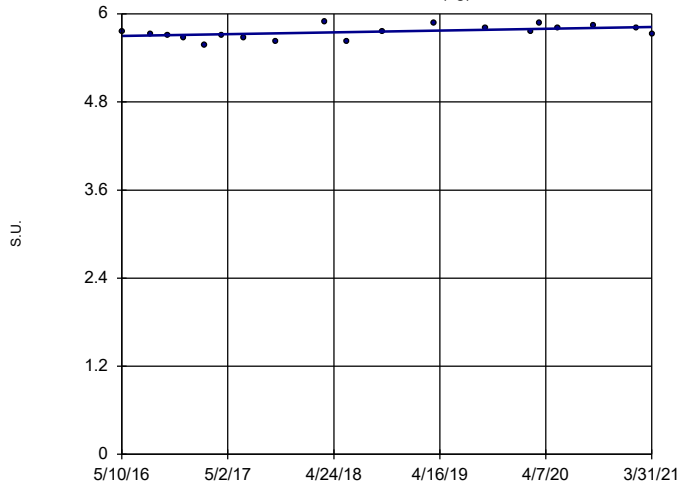
SGWA-25 (bg)



Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWA-3 (bg)

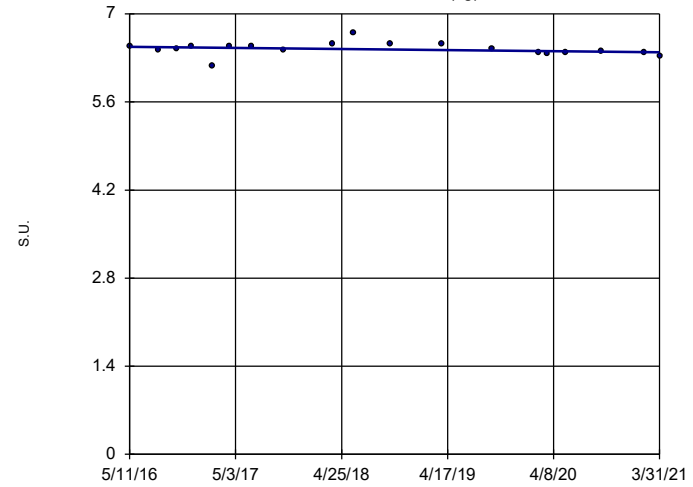


n = 19  
 Slope = 0.02498 units per year.  
 Mann-Kendall statistic = 45  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWA-4 (bg)

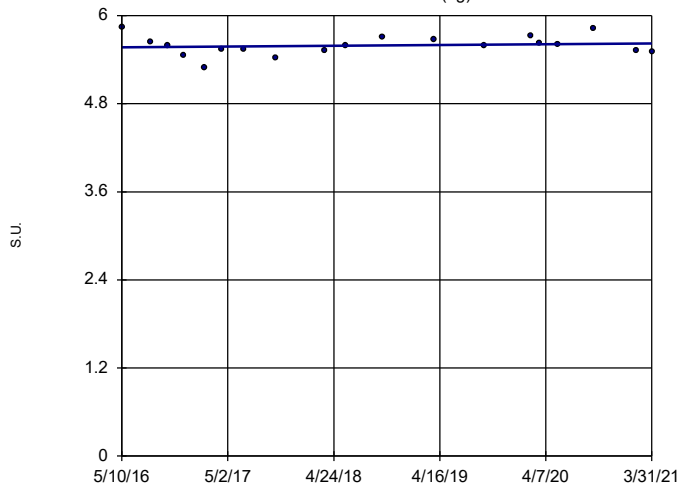


n = 19  
 Slope = -0.01798 units per year.  
 Mann-Kendall statistic = -45  
 critical = -74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWA-5 (bg)

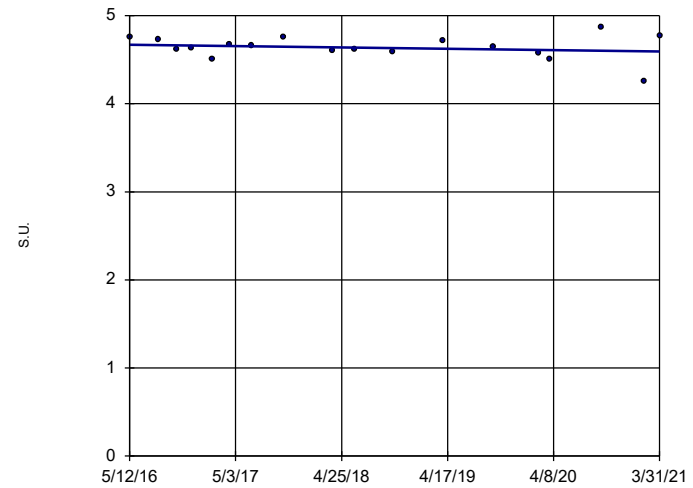


n = 19  
 Slope = 0.01022 units per year.  
 Mann-Kendall statistic = 13  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

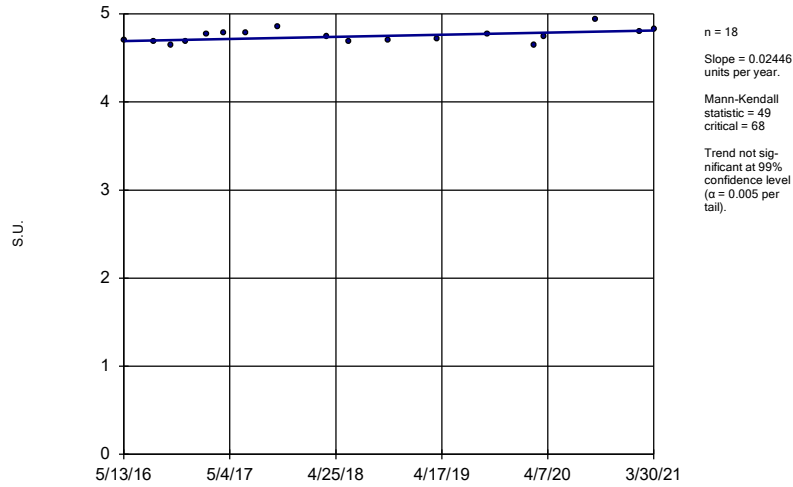
SGWC-15



n = 18  
 Slope = -0.01561 units per year.  
 Mann-Kendall statistic = -24  
 critical = -68  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

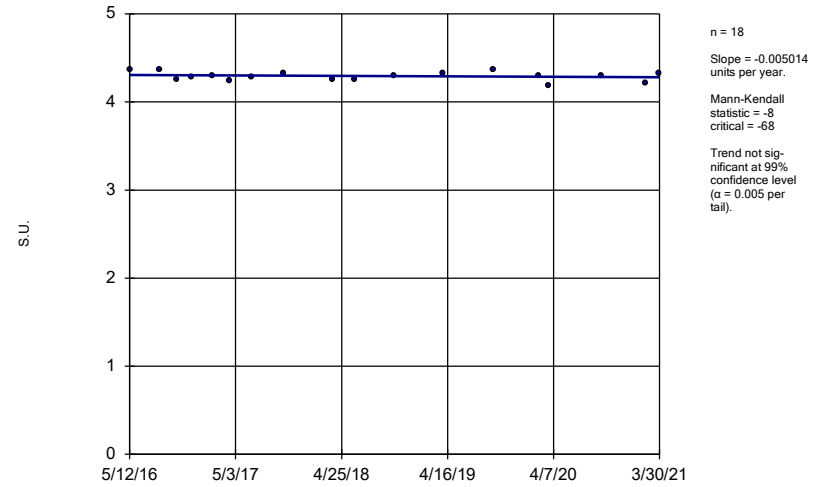
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-18



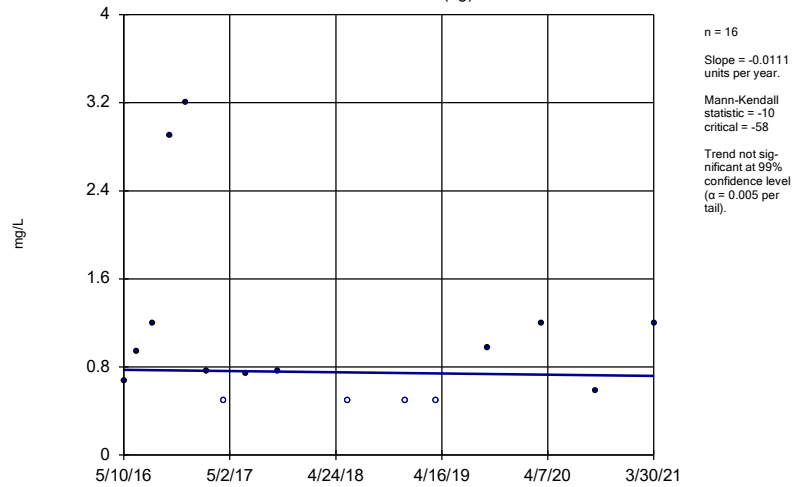
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-20



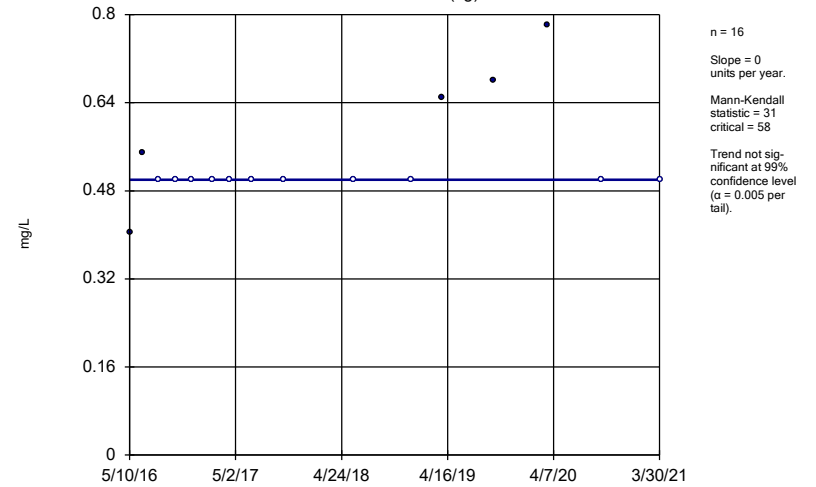
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWA-1 (bg)



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

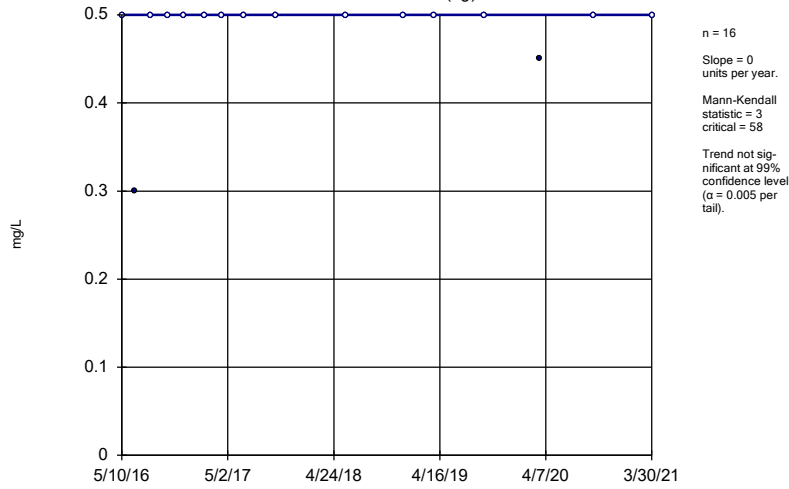
Sen's Slope Estimator  
SGWA-2 (bg)



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

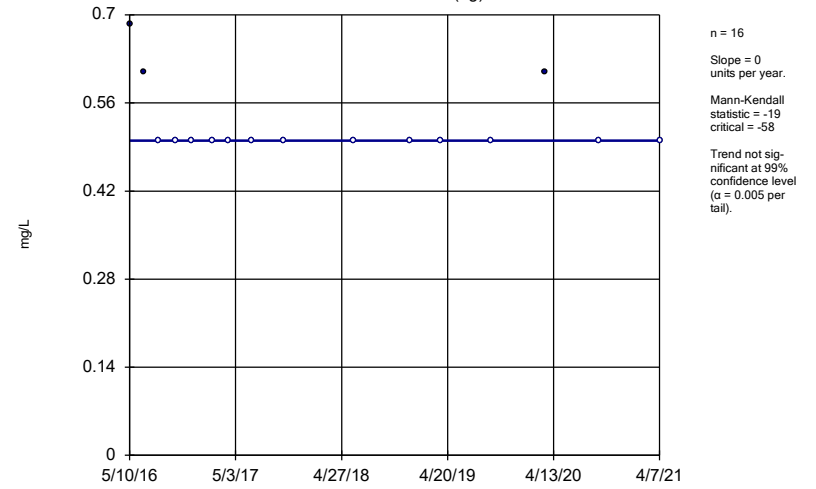
SGWA-24 (bg)



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

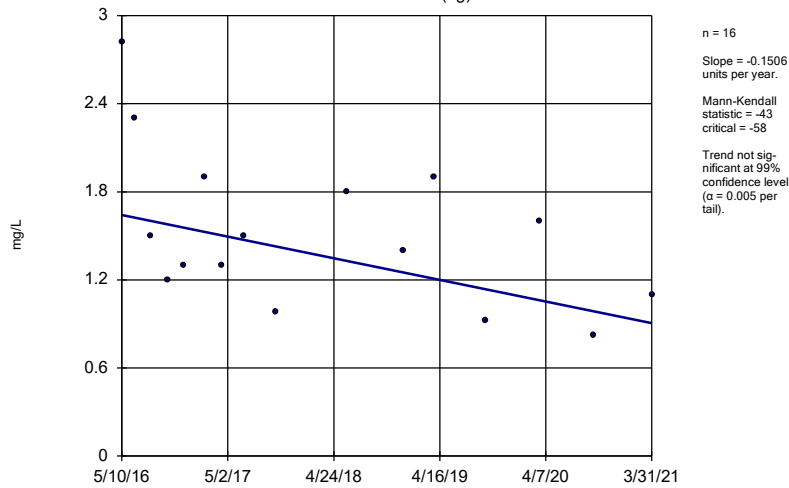
SGWA-25 (bg)



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

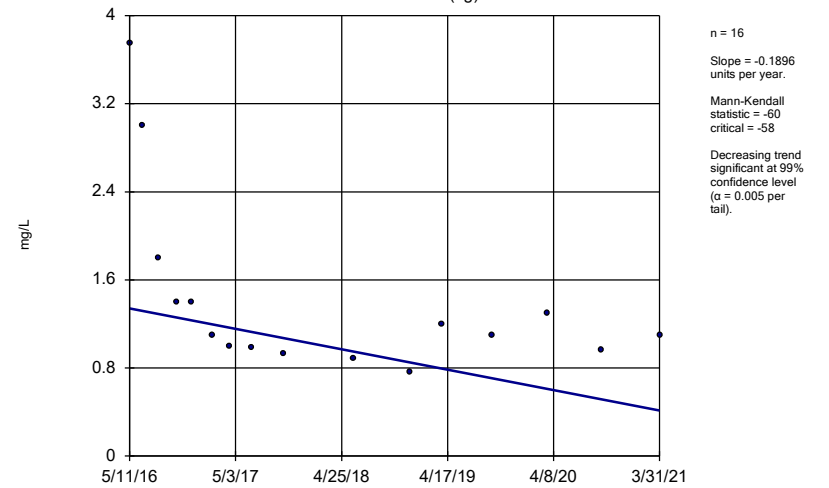
SGWA-3 (bg)



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

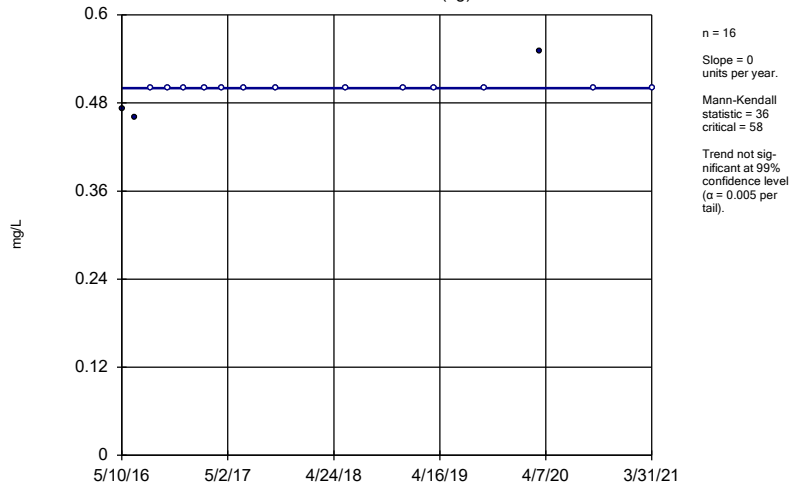
### Sen's Slope Estimator

SGWA-4 (bg)



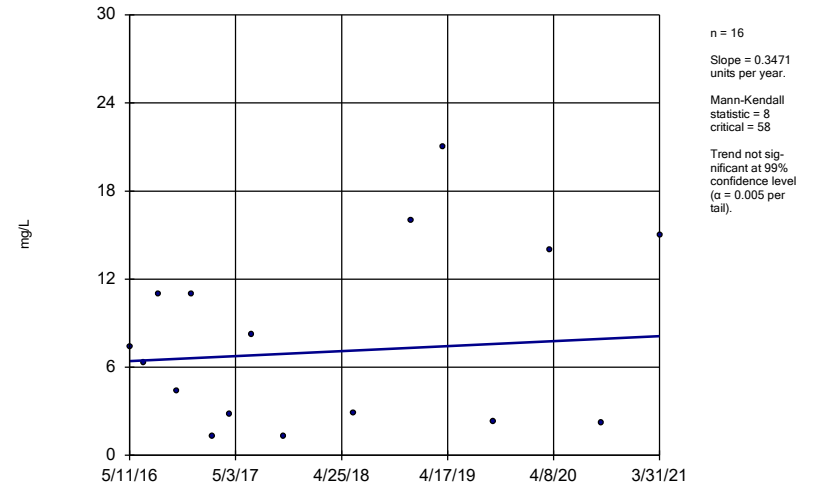
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWA-5 (bg)



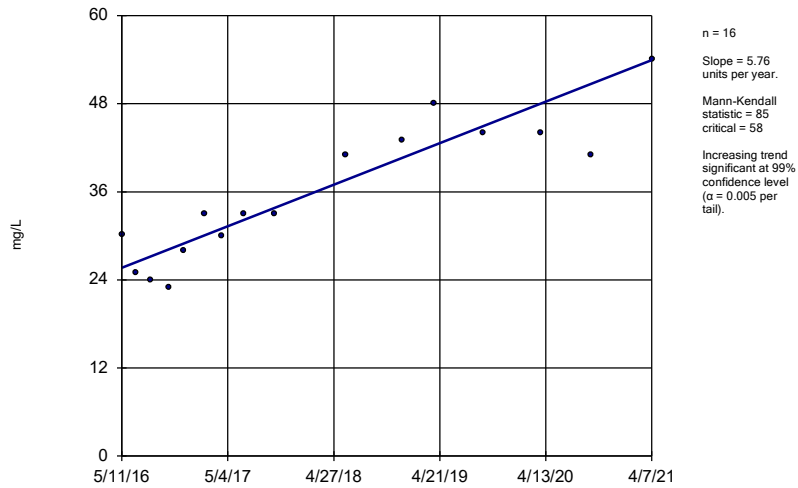
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-10



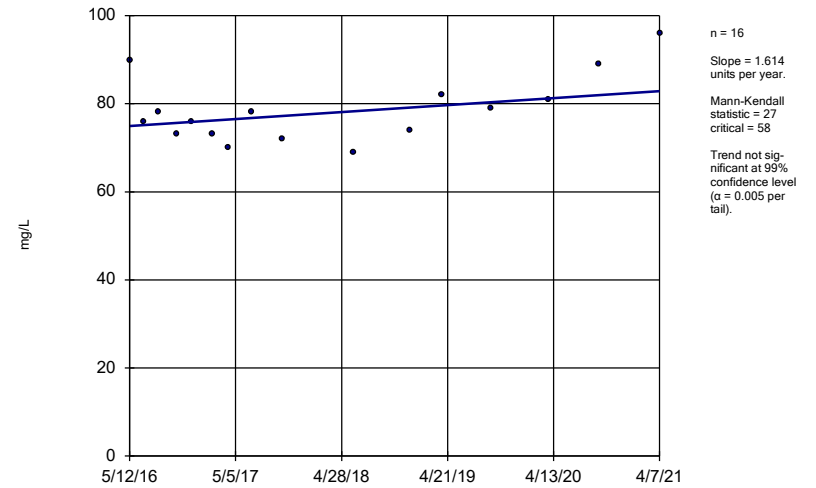
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator  
SGWC-12



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

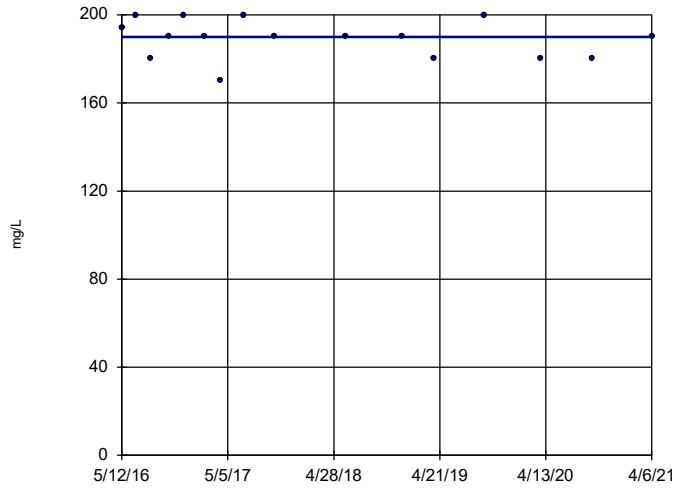
Sen's Slope Estimator  
SGWC-13



Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-14

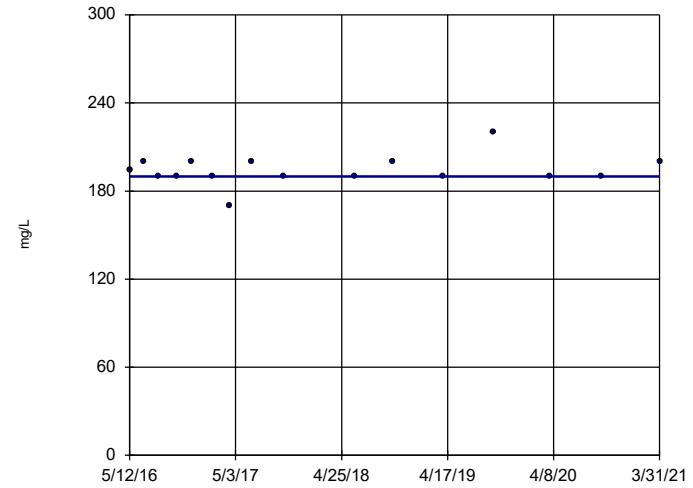


n = 16  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -25  
 critical = -58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-15

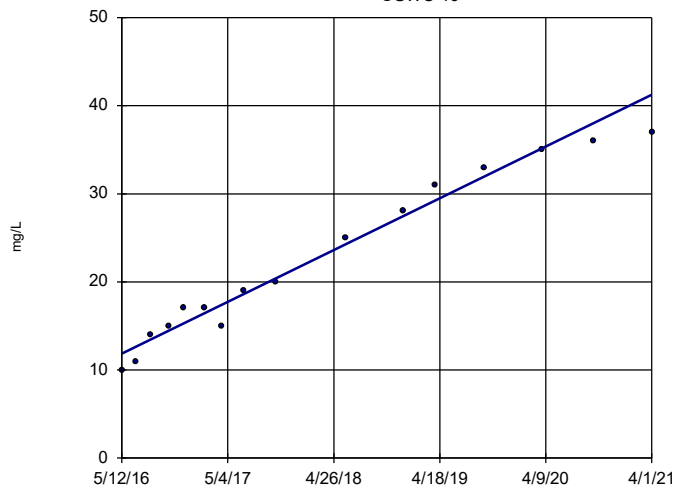


n = 16  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 4  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

SGWC-16

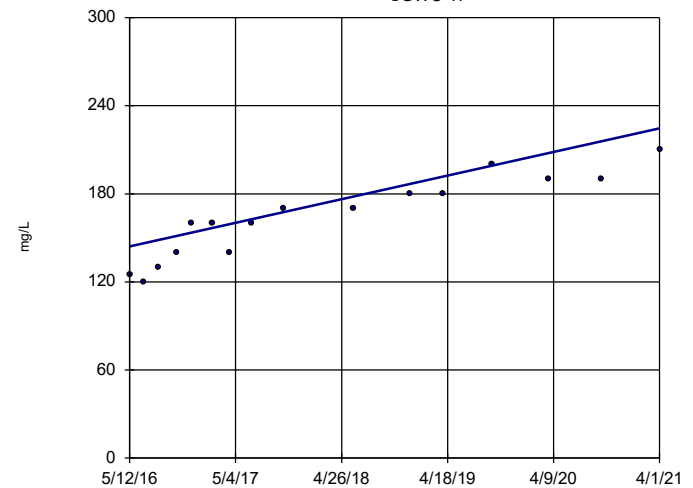


n = 16  
 Slope = 6.004  
 units per year.  
 Mann-Kendall  
 statistic = 114  
 critical = 58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator

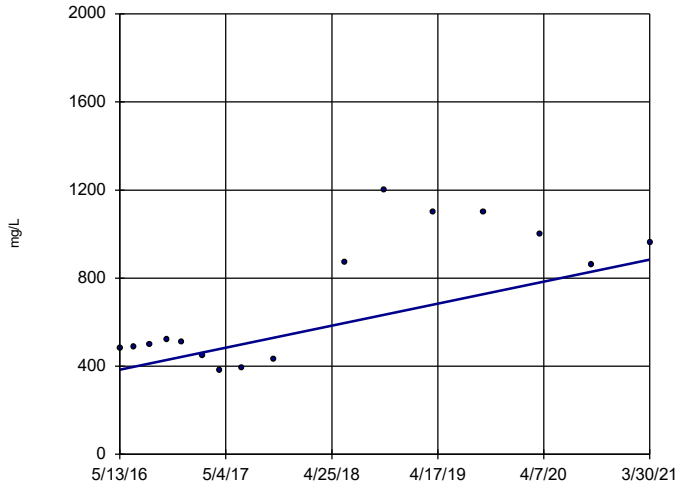
SGWC-17



n = 16  
 Slope = 16.46  
 units per year.  
 Mann-Kendall  
 statistic = 103  
 critical = 58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

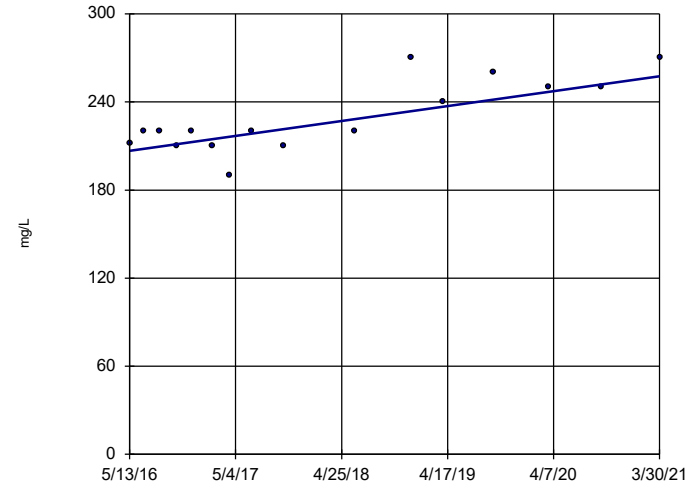
### Sen's Slope Estimator SGWC-18



n = 16  
 Slope = 102.3  
 units per year.  
 Mann-Kendall  
 statistic = 43  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

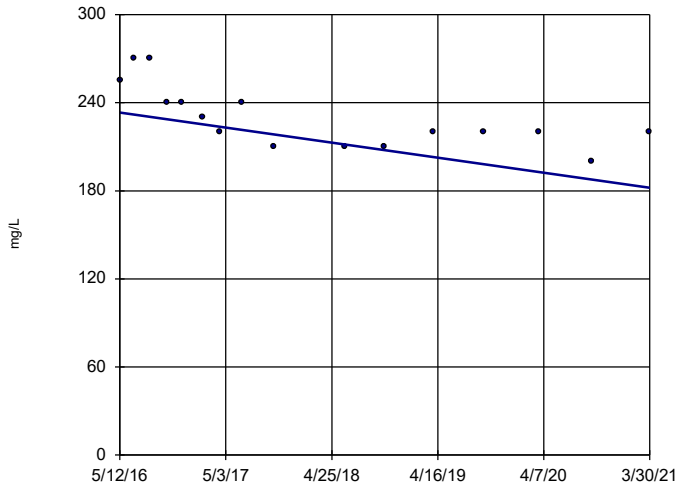
### Sen's Slope Estimator SGWC-19



n = 16  
 Slope = 10.39  
 units per year.  
 Mann-Kendall  
 statistic = 57  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

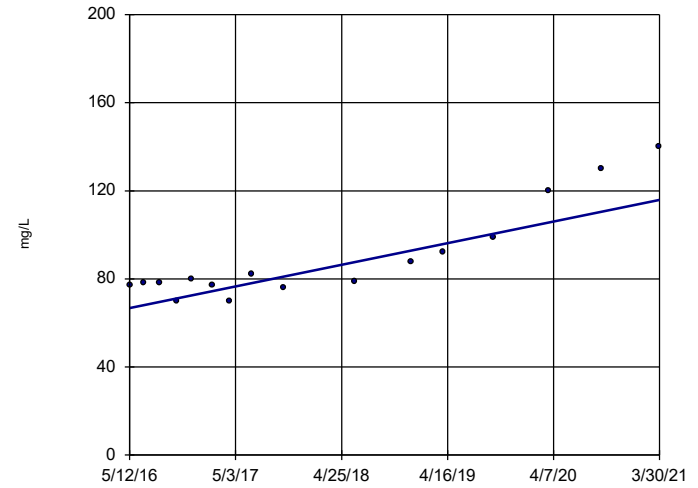
### Sen's Slope Estimator SGWC-20



n = 16  
 Slope = -10.48  
 units per year.  
 Mann-Kendall  
 statistic = -69  
 critical = -58  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-21

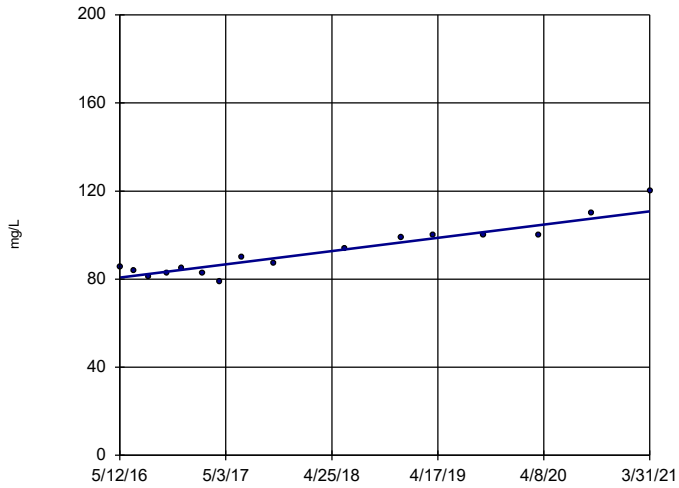


n = 16  
 Slope = 10.06  
 units per year.  
 Mann-Kendall  
 statistic = 80  
 critical = 58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP



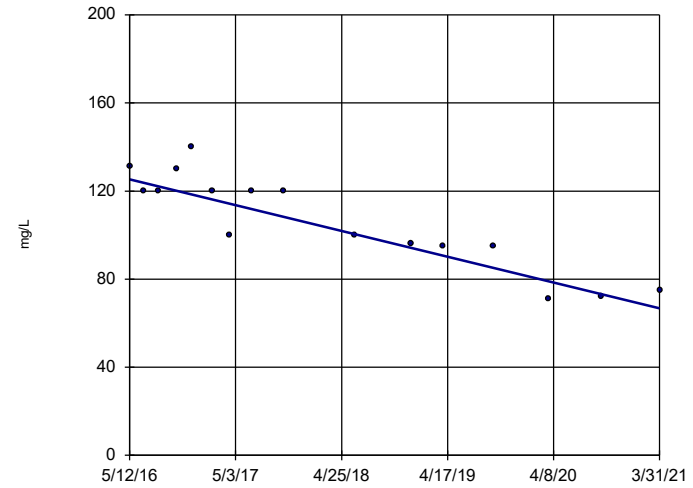
### Sen's Slope Estimator SGWC-22



n = 16  
 Slope = 6.165  
 units per year.  
 Mann-Kendall  
 statistic = 84  
 critical = 58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

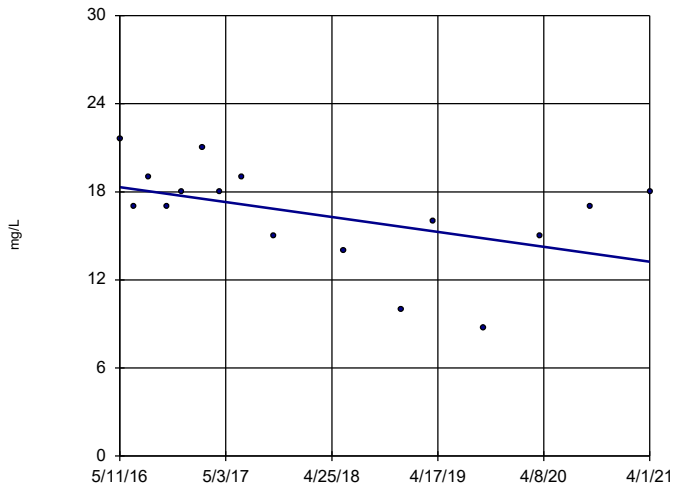
### Sen's Slope Estimator SGWC-23



n = 16  
 Slope = -11.98  
 units per year.  
 Mann-Kendall  
 statistic = -86  
 critical = -58  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

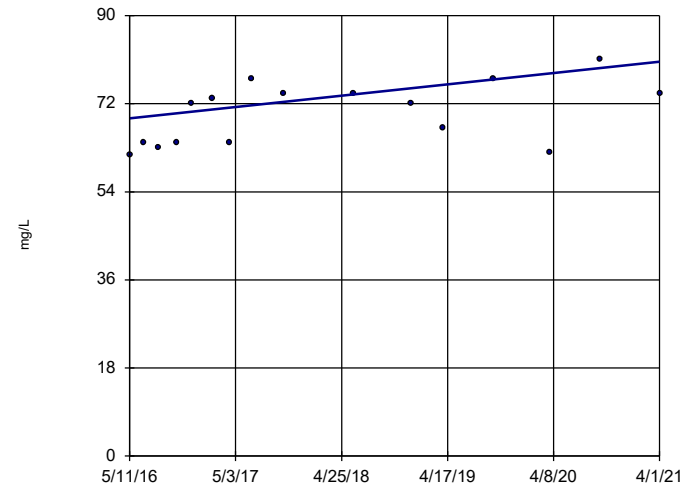
### Sen's Slope Estimator SGWC-7



n = 16  
 Slope = -1.037  
 units per year.  
 Mann-Kendall  
 statistic = -44  
 critical = -58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

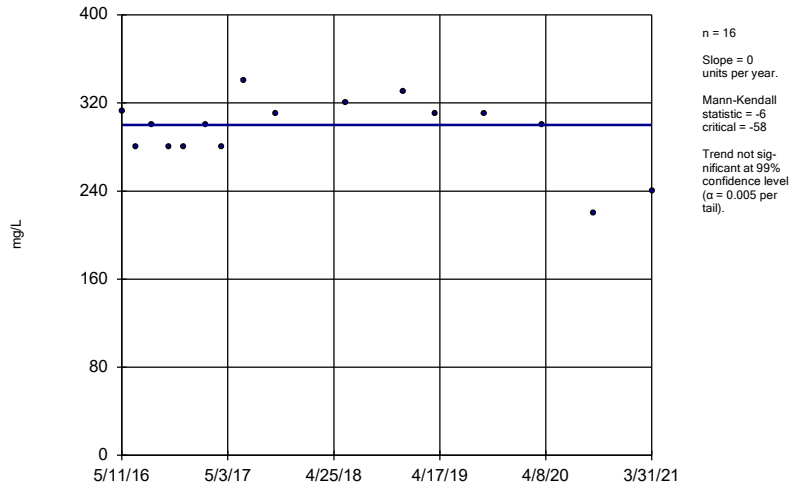
### Sen's Slope Estimator SGWC-8



n = 16  
 Slope = 2.367  
 units per year.  
 Mann-Kendall  
 statistic = 52  
 critical = 58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

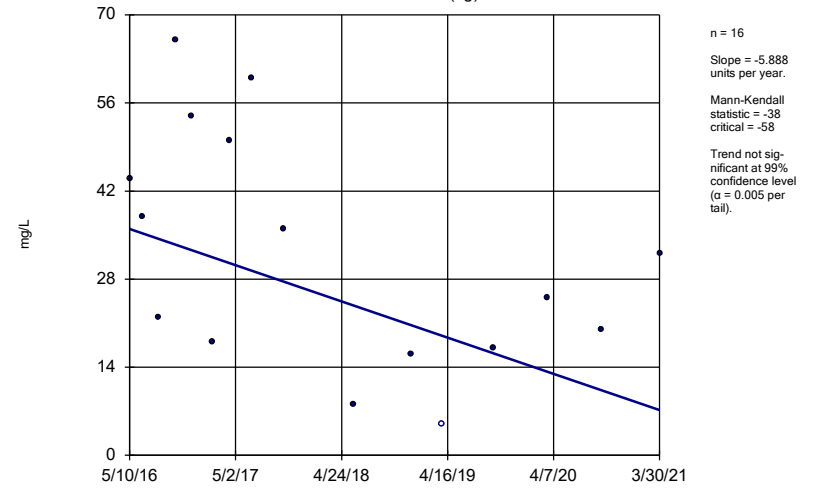
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-9



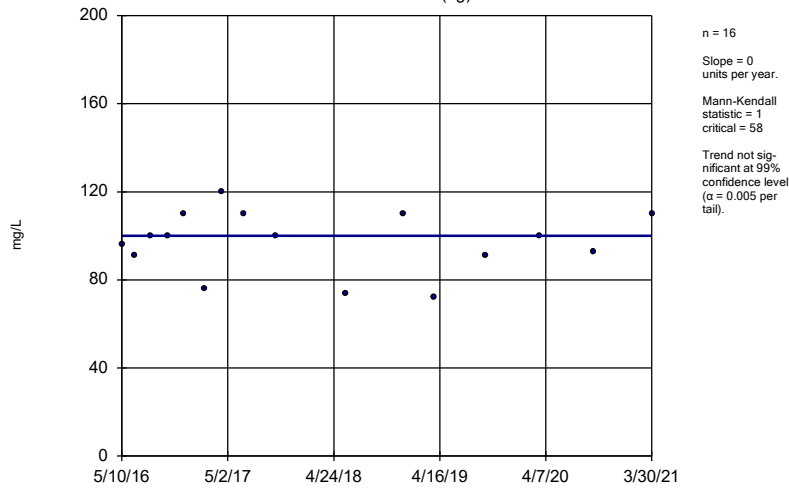
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWA-1 (bg)



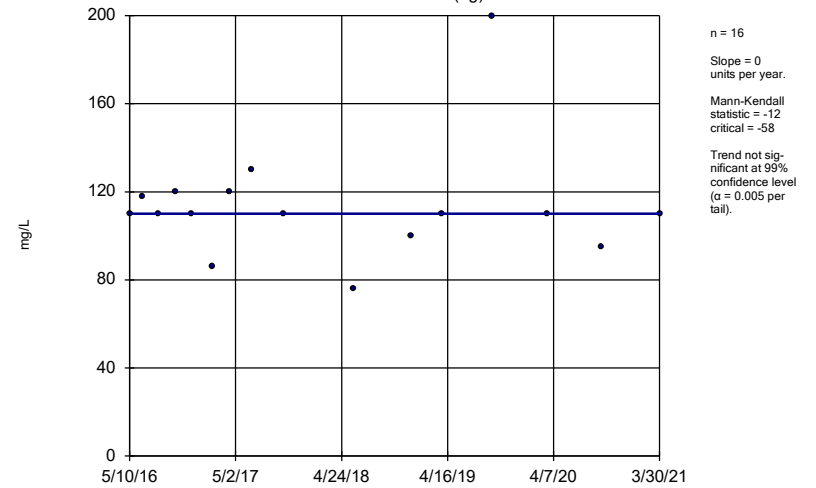
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWA-2 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

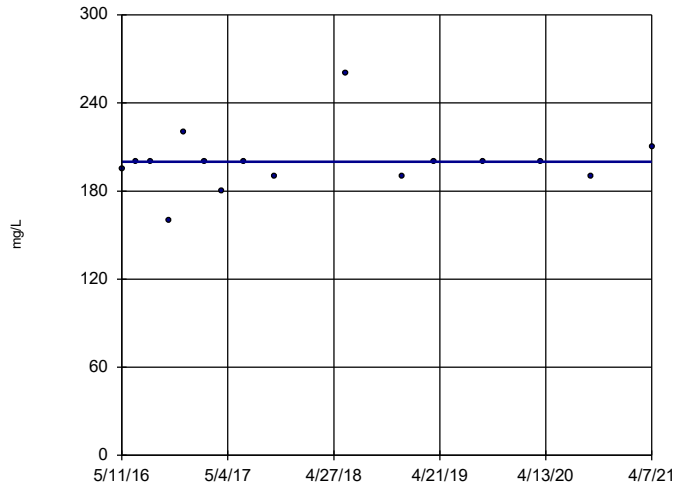
### Sen's Slope Estimator SGWA-24 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

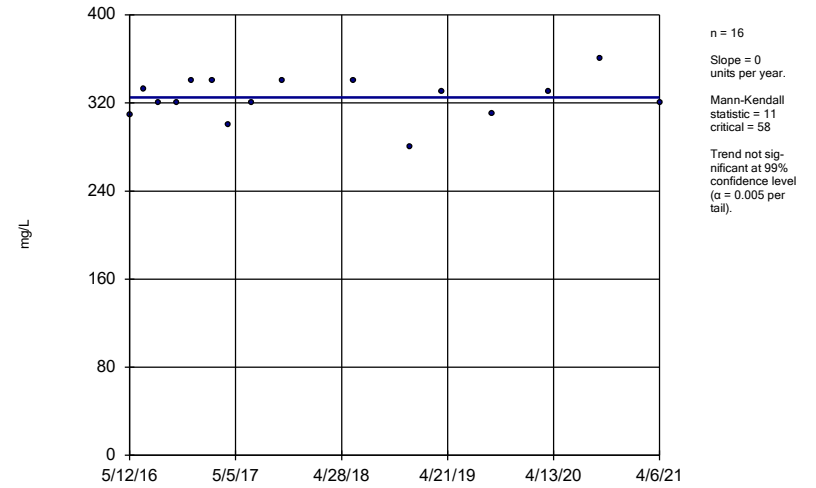


### Sen's Slope Estimator SGWC-12



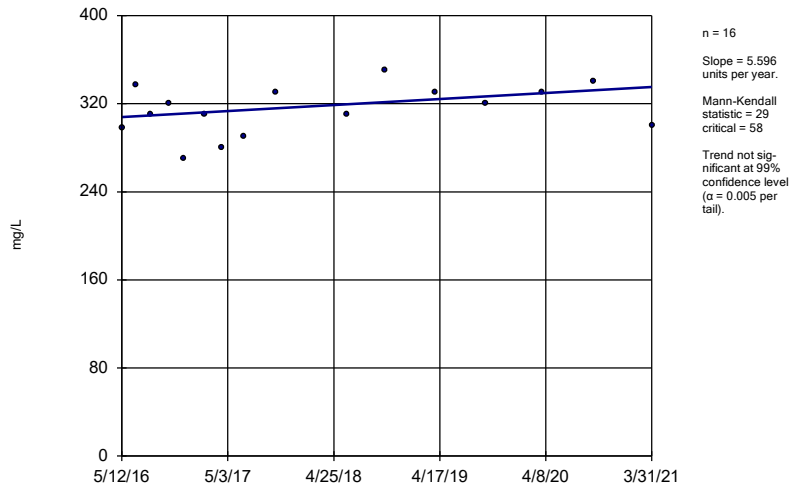
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-14



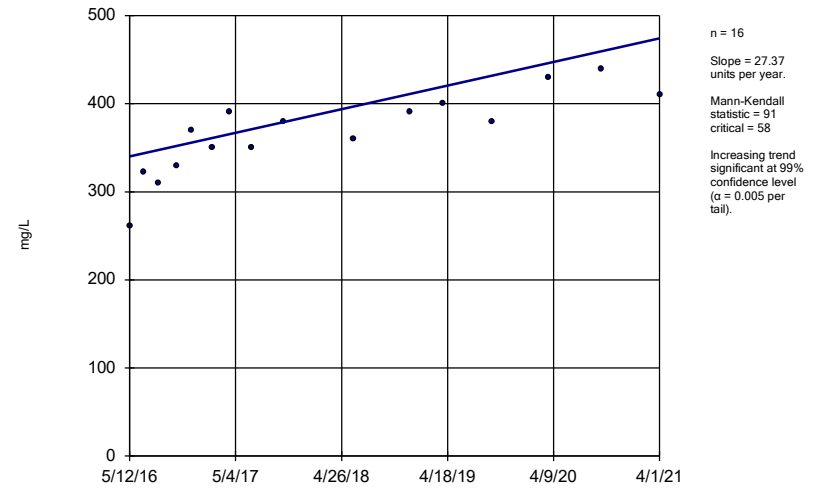
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-15



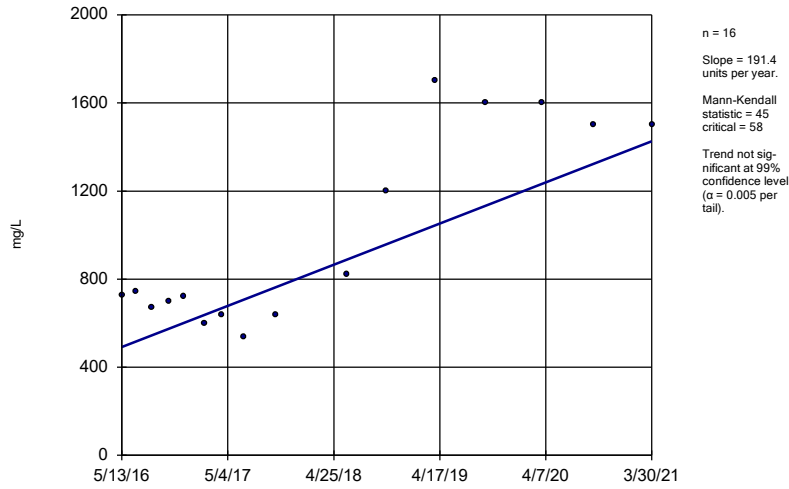
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-17



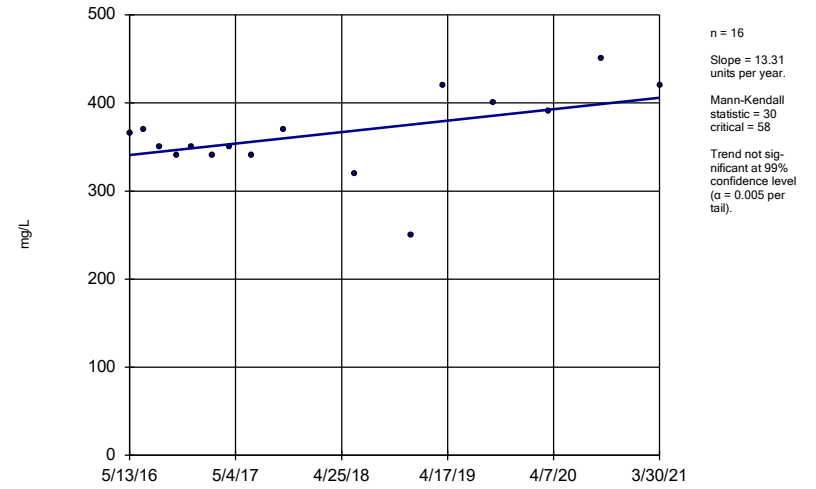
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-18



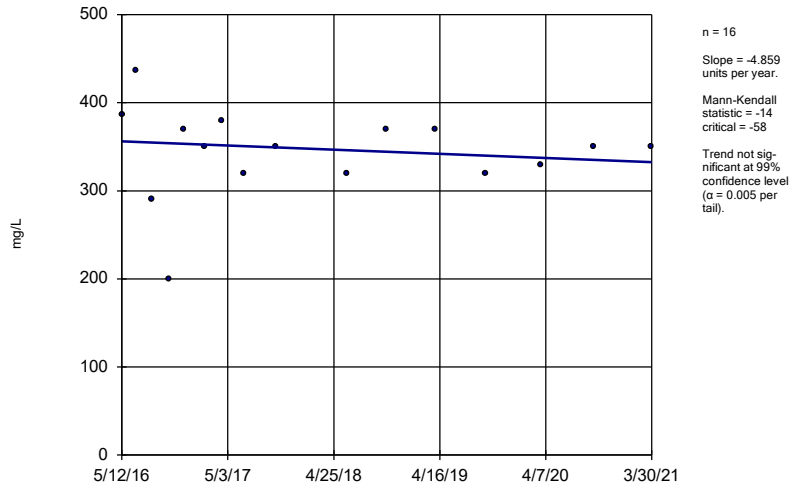
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-19



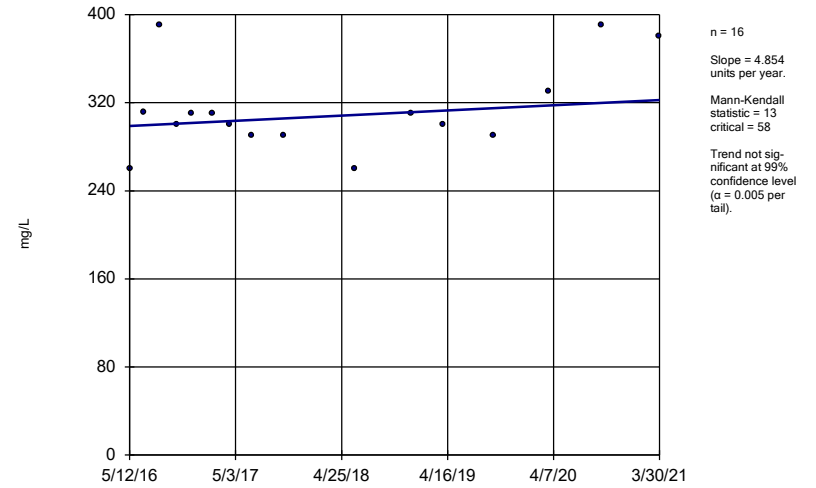
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-20



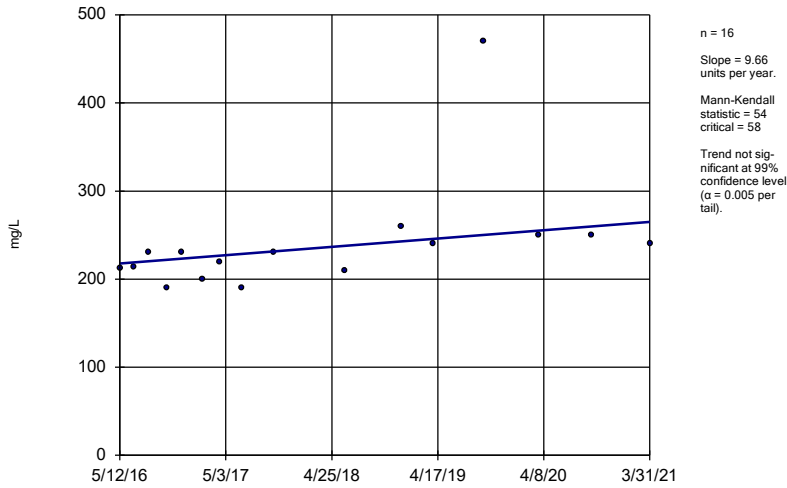
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-21



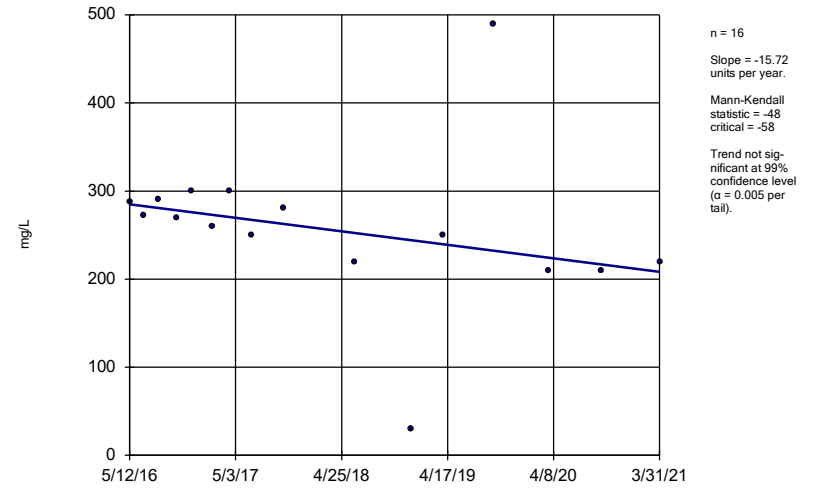
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-22



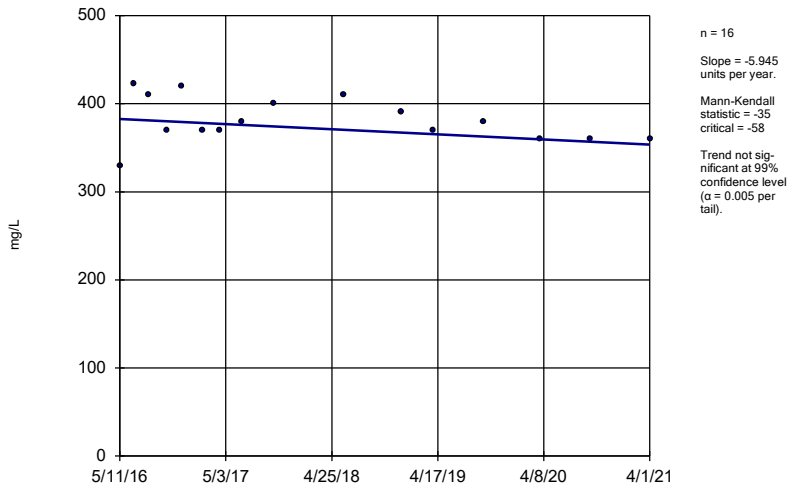
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-23



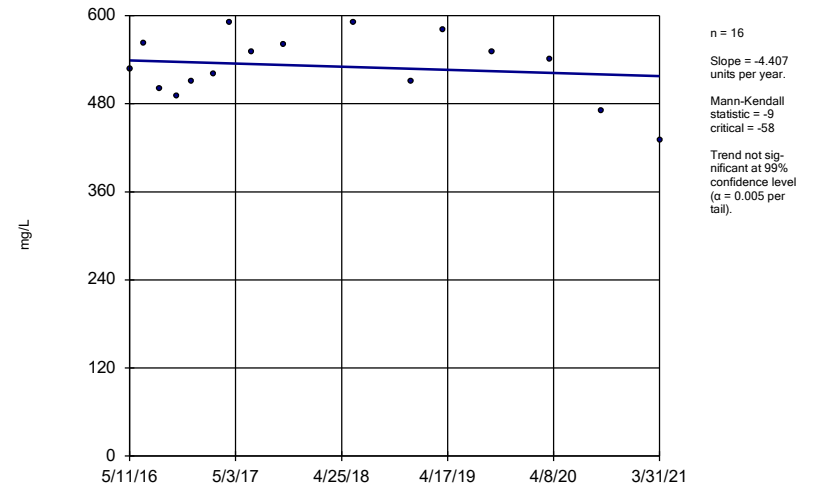
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-8



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

### Sen's Slope Estimator SGWC-9



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE F.

# Upper Tolerance Limit - Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:37 PM

Constituent	Upper Lim.	Lower Lim.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0021	n/a	n/a	98	n/a	n/a	93.88	n/a	n/a	0.00656	NP Inter(NDs)
Arsenic (mg/L)	0.0015	n/a	n/a	133	n/a	n/a	84.96	n/a	n/a	0.00109	NP Inter(NDs)
Barium (mg/L)	0.071	n/a	n/a	133	n/a	n/a	0	n/a	n/a	0.00109	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	133	n/a	n/a	94.74	n/a	n/a	0.00109	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	126	n/a	n/a	98.41	n/a	n/a	0.00156	NP Inter(NDs)
Chromium (mg/L)	0.021	n/a	n/a	140	n/a	n/a	32.14	n/a	n/a	0.000...	NP Inter(normality)
Cobalt (mg/L)	0.02	n/a	n/a	133	n/a	n/a	62.41	n/a	n/a	0.00109	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.2	n/a	n/a	133	n/a	n/a	0	n/a	n/a	0.00109	NP Inter(normality)
Fluoride, total (mg/L)	0.108	n/a	n/a	140	n/a	n/a	65.71	n/a	n/a	0.000...	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	133	n/a	n/a	94.74	n/a	n/a	0.00109	NP Inter(NDs)
Lithium (mg/L)	0.005	n/a	n/a	133	n/a	n/a	92.48	n/a	n/a	0.00109	NP Inter(NDs)
Mercury (mg/L)	0.0005	n/a	n/a	135	n/a	n/a	90.37	n/a	n/a	0.000...	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	126	n/a	n/a	90.48	n/a	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	133	n/a	n/a	90.23	n/a	n/a	0.00109	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	133	n/a	n/a	91.73	n/a	n/a	0.00109	NP Inter(NDs)



FIGURE G.

<b>SCHERER ASH POND GWPS</b>					
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>Federal GWPS</b>	<b>State GWPS</b>
Antimony, Total (mg/L)	0.006		0.0021	0.006	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01	0.01
Barium, Total (mg/L)	2		0.071	2	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005	0.005
Chromium, Total (mg/L)	0.1		0.021	0.1	0.1
Cobalt, Total (mg/L)		0.006	0.02	0.02	0.02
Combined Radium, Total (pCi/L)	5		1.2	5	5
Fluoride, Total (mg/L)	4		0.11	4	4
Lead, Total (mg/L)		0.015	0.001	0.015	0.001
Lithium, Total (mg/L)		0.04	0.005	0.04	0.005
Mercury, Total (mg/L)	0.002		0.0005	0.002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1	0.015
Selenium, Total (mg/L)	0.05		0.005	0.05	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002	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 H.

# Federal Confidence Interval - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:34 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	SGWC-10	0.03201	0.0216	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-11	0.02885	0.02241	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-15	0.2765	0.2595	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-18	0.1586	0.1168	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-20	0.2203	0.1607	0.02	Yes	19	0	None	No	0.01	Param.

# Federal Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.0007	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	19	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001373	0.0008754	0.01	No	19	21.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001045	0.00075	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003141	0.001707	0.01	No	19	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.0005	0.01	No	19	47.37	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	19	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.00059	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00063	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00068	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03281	0.02821	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04244	0.0377	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.054	0.0321	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-13	0.03459	0.02705	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05971	0.05184	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0388	0.03272	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.029	0.017	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-17	0.02218	0.01886	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.029	0.0138	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-19	0.0412	0.03409	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03416	0.02563	2	No	19	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.09	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09167	0.08128	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08474	0.06996	2	No	19	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	SGWC-6	0.1061	0.06324	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.3007	0.258	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06792	0.05628	2	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00059	0.00037	0.004	No	19	15.79	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	19	47.37	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.00019	0.004	No	19	73.68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008104	0.000654	0.004	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	18	44.44	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	18	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.0026	0.0016	0.1	No	19	68.42	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03514	0.03258	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01171	0.009637	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.006475	0.004049	0.1	No	19	0	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009498	0.00743	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01587	0.01437	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	19	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	19	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	19	63.16	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001707	0.001256	0.1	No	19	47.37	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	19	57.89	None	No	0.01	NP (NDs)
<b>Cobalt (mg/L)</b>	<b>SGWC-10</b>	<b>0.03201</b>	<b>0.0216</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>

# Federal Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
<b>Cobalt (mg/L)</b>	<b>SGWC-11</b>	<b>0.02885</b>	<b>0.02241</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-12	0.004058	0.002582	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.007231	0.003185	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01168	0.006994	0.02	No	19	0	None	No	0.01	Param.
<b>Cobalt (mg/L)</b>	<b>SGWC-15</b>	<b>0.2765</b>	<b>0.2595</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-16	0.004204	0.003442	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	19	21.05	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-18</b>	<b>0.1586</b>	<b>0.1168</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-20</b>	<b>0.2203</b>	<b>0.1607</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	19	63.16	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003396	0.001895	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	19	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0012	0.02	No	19	36.84	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.01045	0.00539	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.00265	0.00049	0.02	No	19	68.42	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01276	0.006525	0.02	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.0159	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.494	0.1475	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4403	0.1561	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4468	0.1548	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3568	0.05013	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4613	0.229	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3489	0.09083	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4313	0.1716	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.449	0.139	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.6191	0.3296	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.143	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4596	0.1292	5	No	19	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6629	0.3938	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.4127	0.1483	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5102	0.2906	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.573	2.075	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3852	0.1213	5	No	19	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.101	0.06387	4	No	20	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	20	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.06979	0.04191	4	No	20	45	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.1	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	20	85	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2669	0.184	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09367	0.06554	4	No	20	35	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	20	45	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1354	0.09799	4	No	20	15	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2249	0.1786	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4597	0.3585	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08051	0.05504	4	No	20	45	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	19	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00029	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.015	No	19	47.37	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00022	0.015	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.015	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	19	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.04	No	19	68.42	None	No	0.01	NP (NDs)

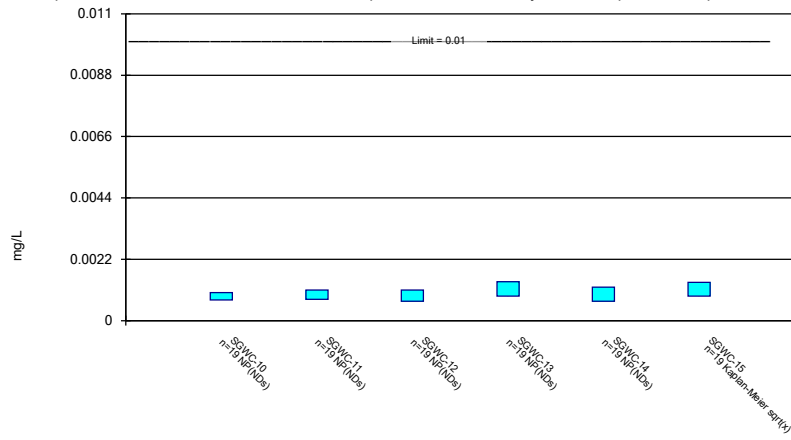
# Federal Confidence Interval - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:34 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	19	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004789	0.003931	0.04	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.04	No	19	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004868	0.003999	0.04	No	18	5.556	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	19	78.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	19	84.21	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.04	No	19	47.37	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005399	0.004289	0.04	No	18	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.04	No	19	73.68	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	19	36.84	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00011	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001765	0.000112	0.002	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	19	84.21	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.01	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.01	No	18	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.01	No	18	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.01	No	18	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.00965	0.0013	0.05	No	19	47.37	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	19	68.42	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.0117	0.00416	0.05	No	19	5.263	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0011	0.05	No	19	63.16	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	19	42.11	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00012	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00014	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	19	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.00027	0.002	No	19	94.74	None	No	0.01	NP (NDs)

Parametric and Non-Parametric (NP) Confidence Interval

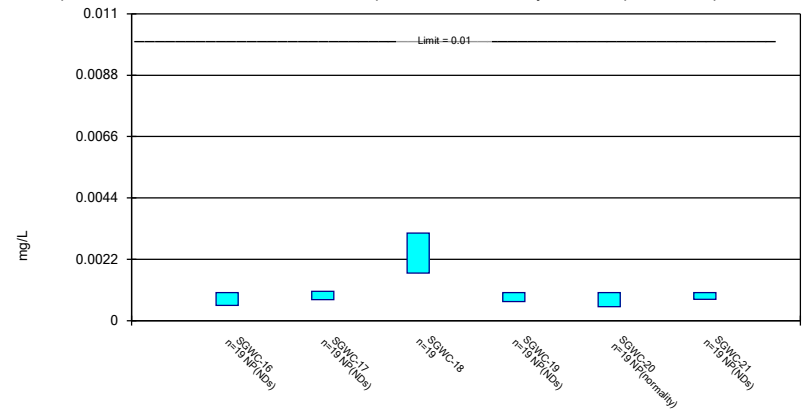
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

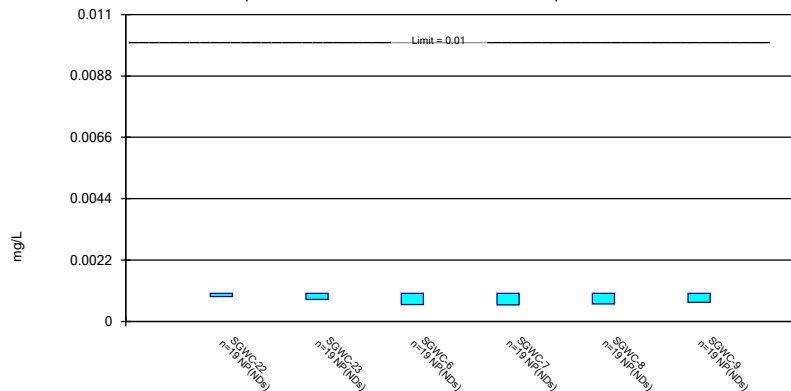
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

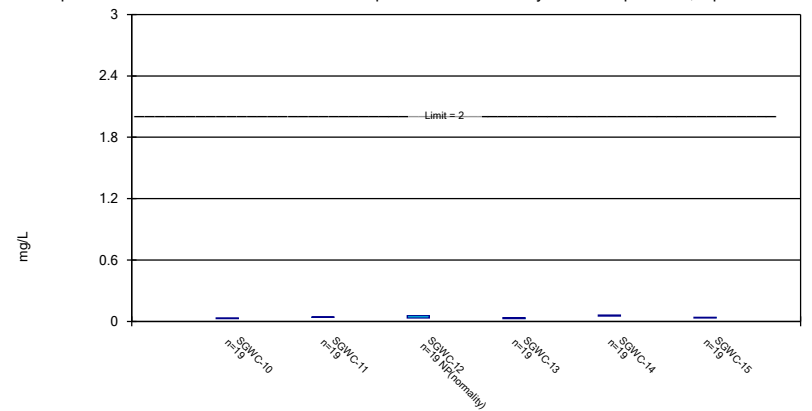
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

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

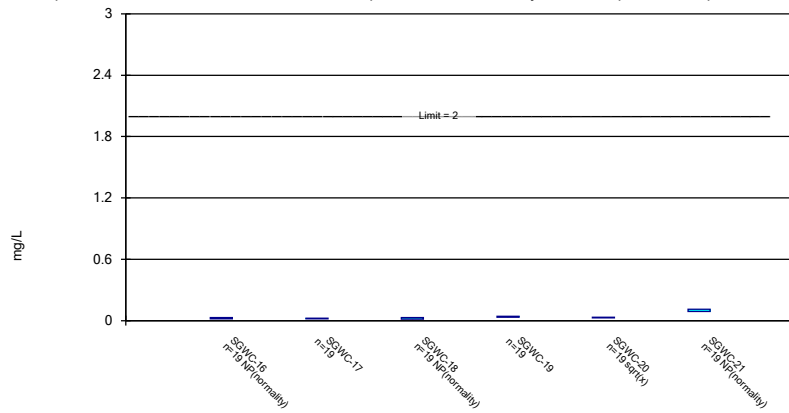


Constituent: Barium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP



### Parametric and Non-Parametric (NP) Confidence Interval

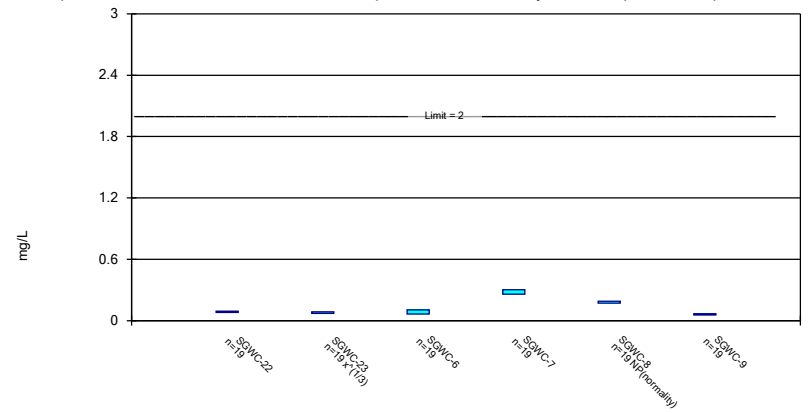
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

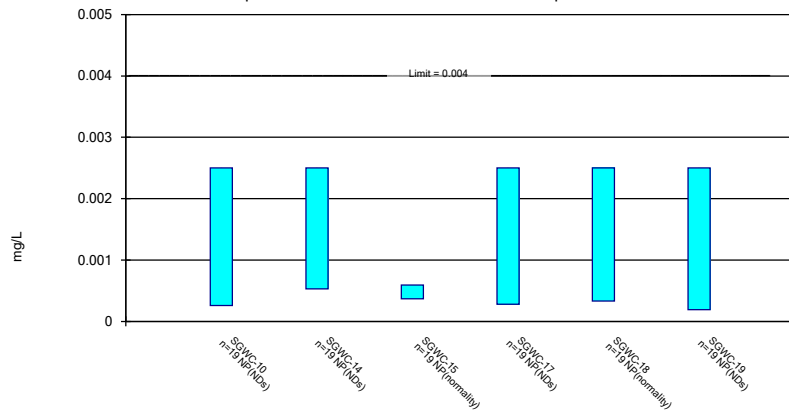
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

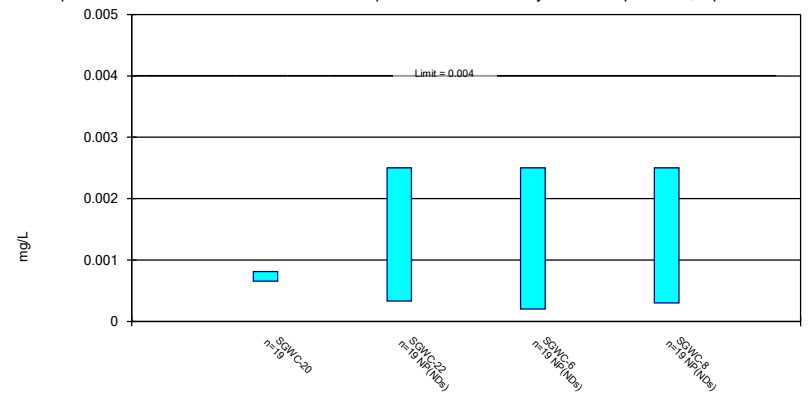
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

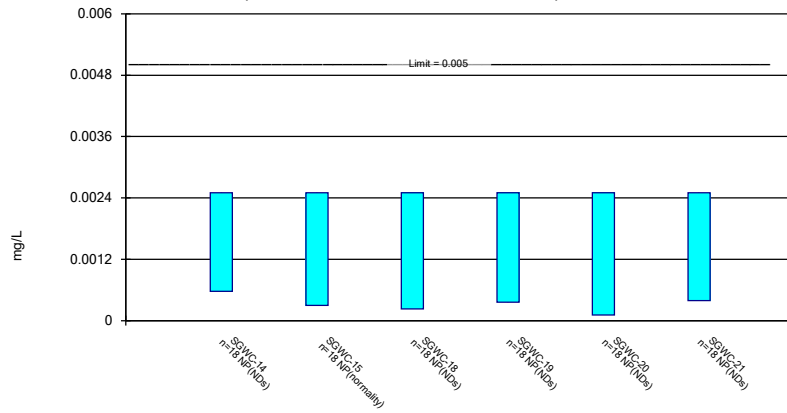
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

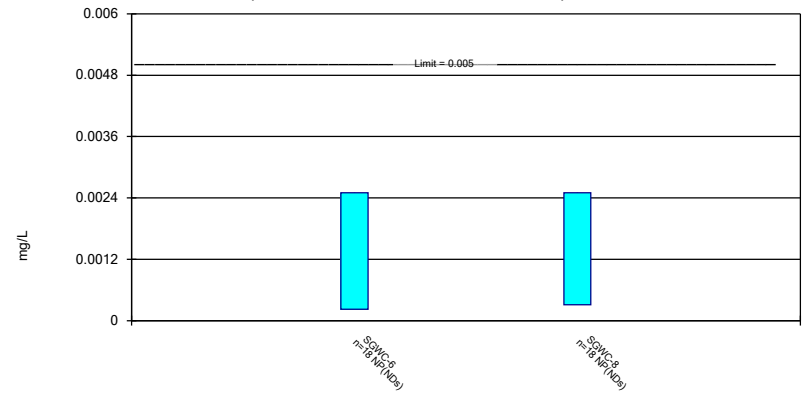
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

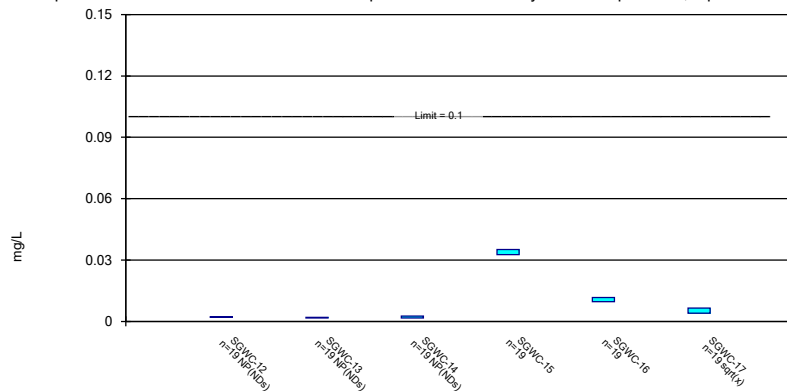
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

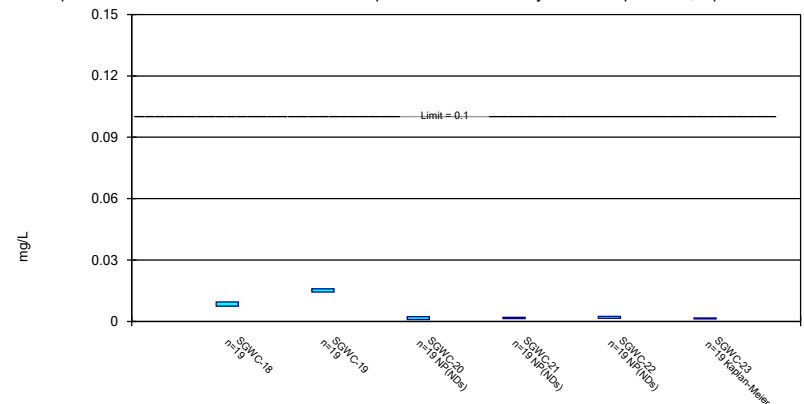
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

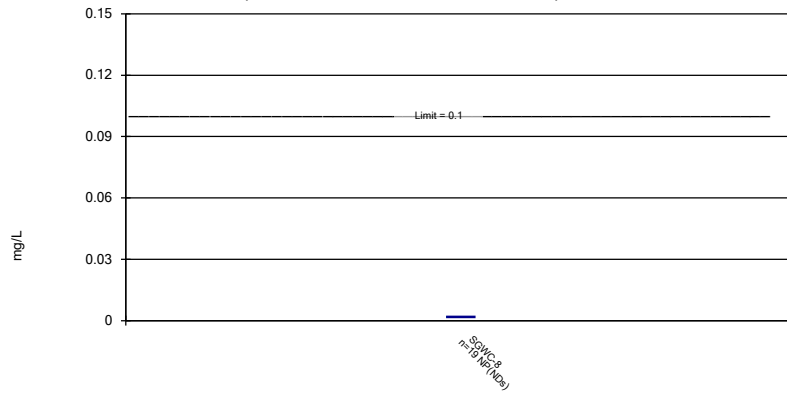
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

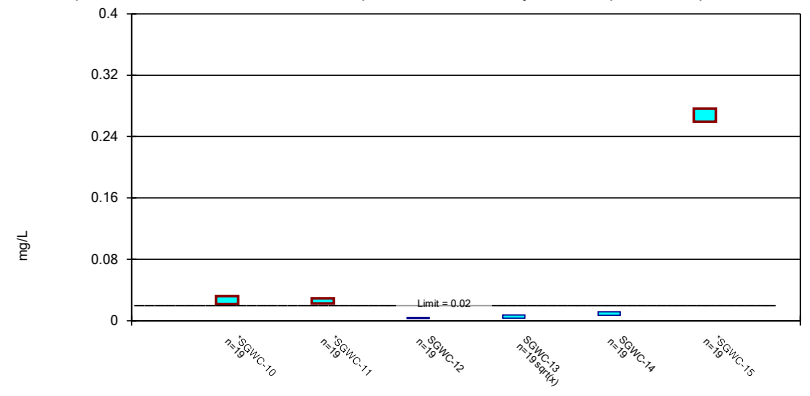
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric Confidence Interval

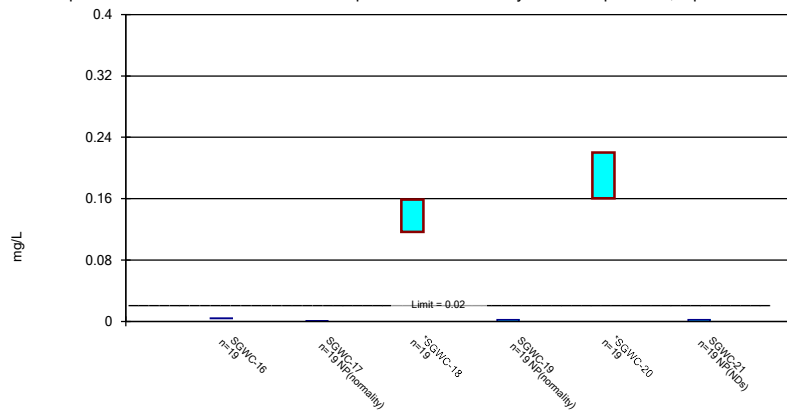
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

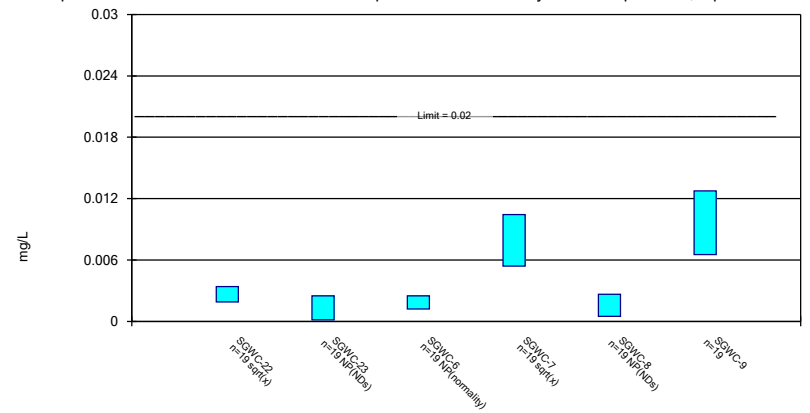
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:31 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

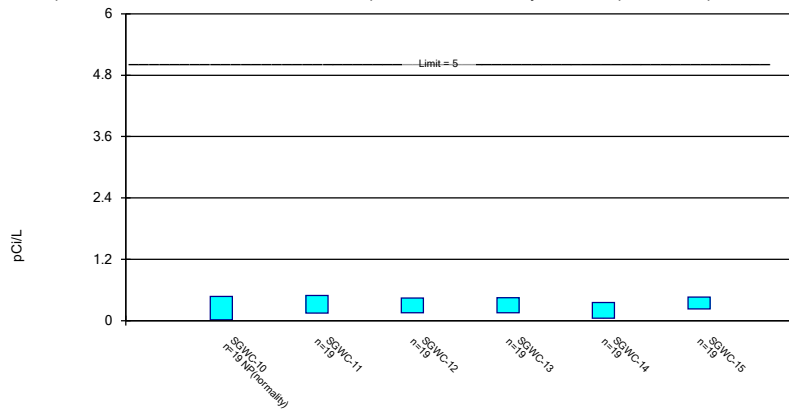
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

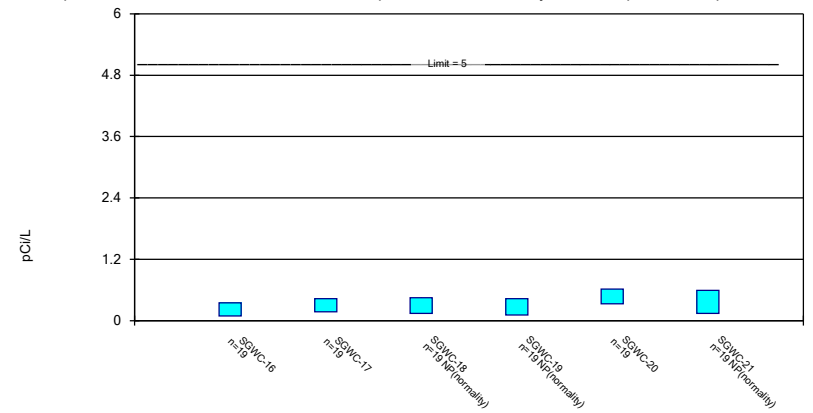
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

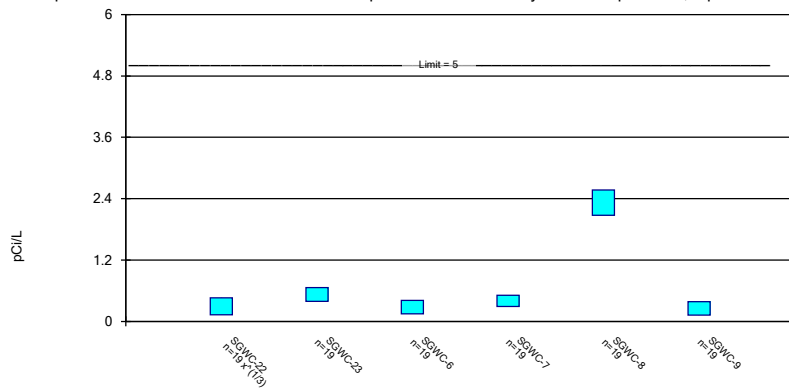
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

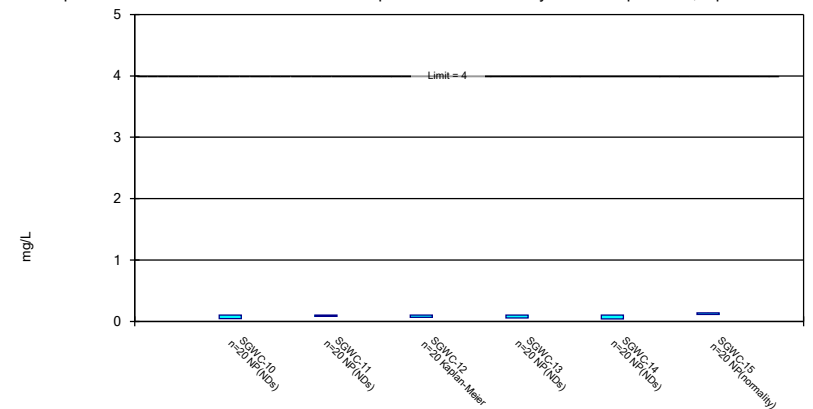
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

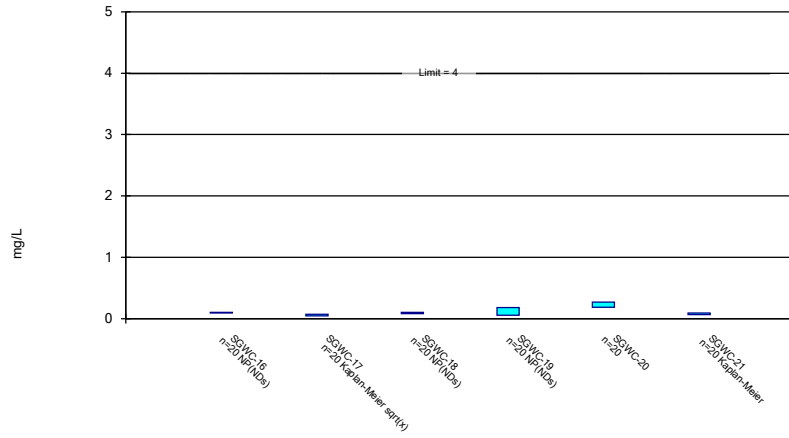
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

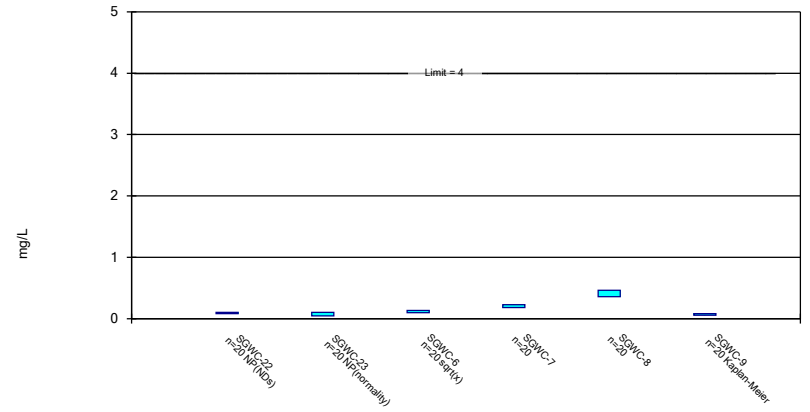
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

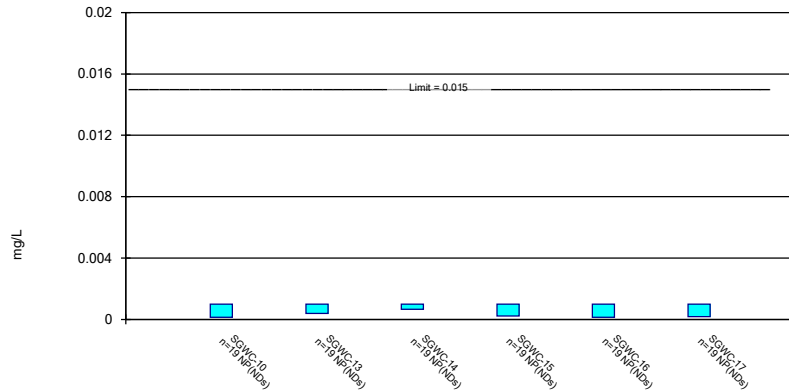
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

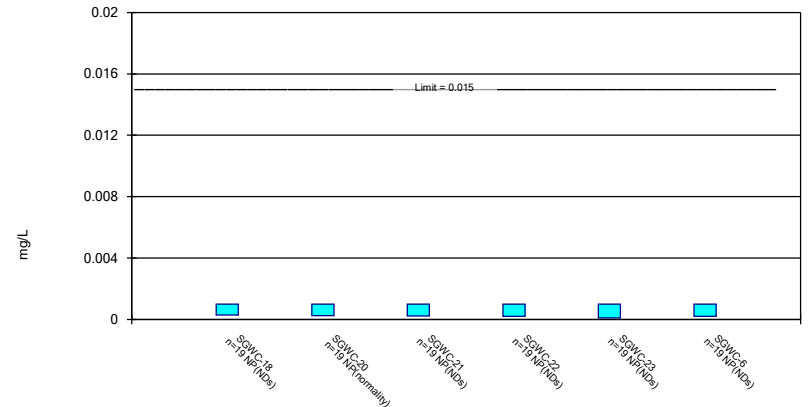
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

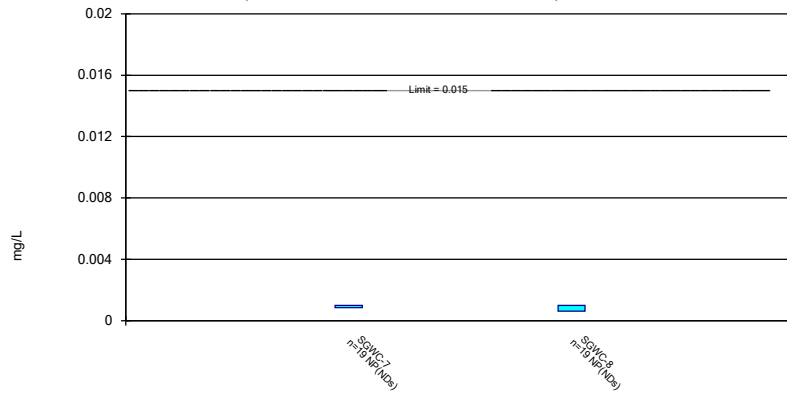
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

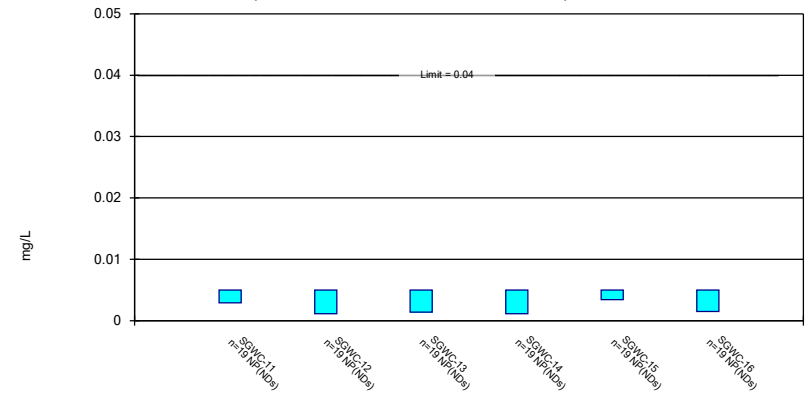
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

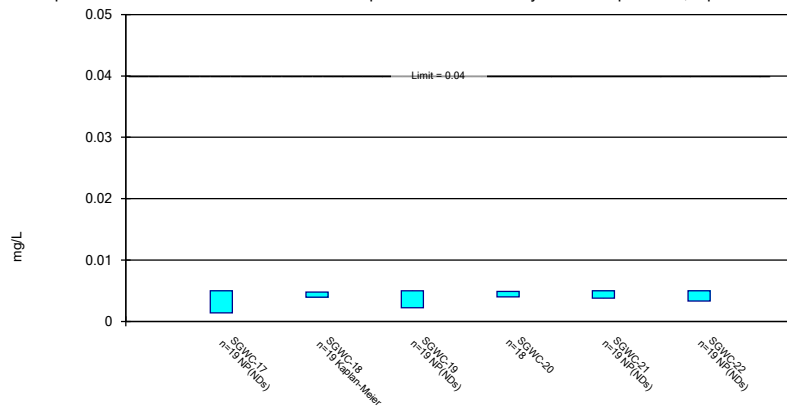
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

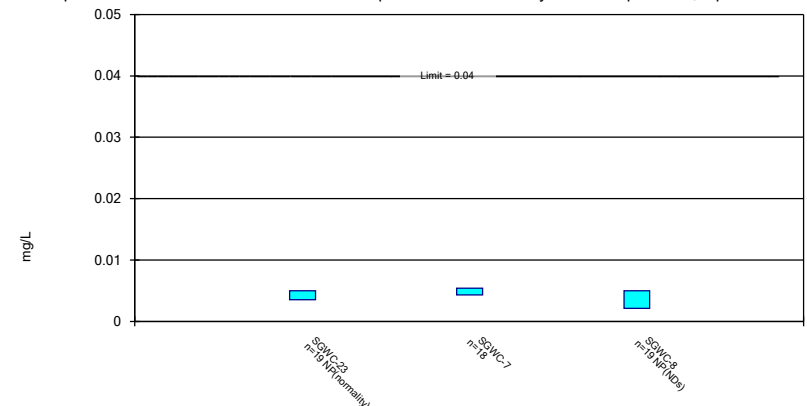
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

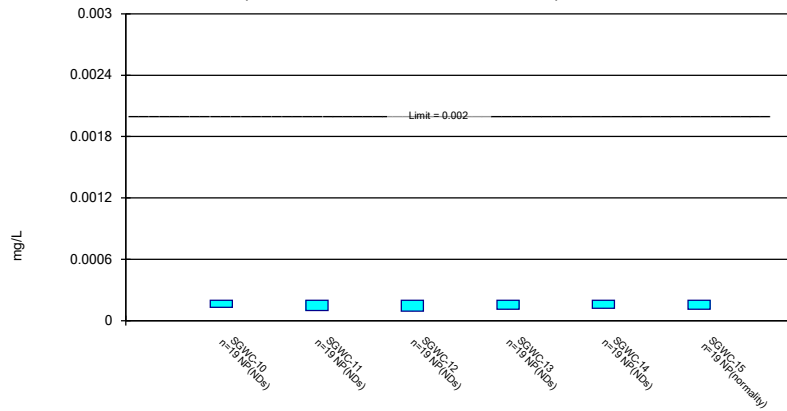
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

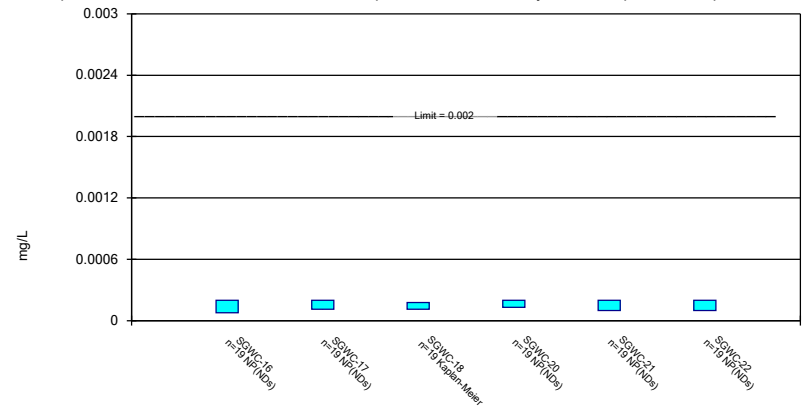
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

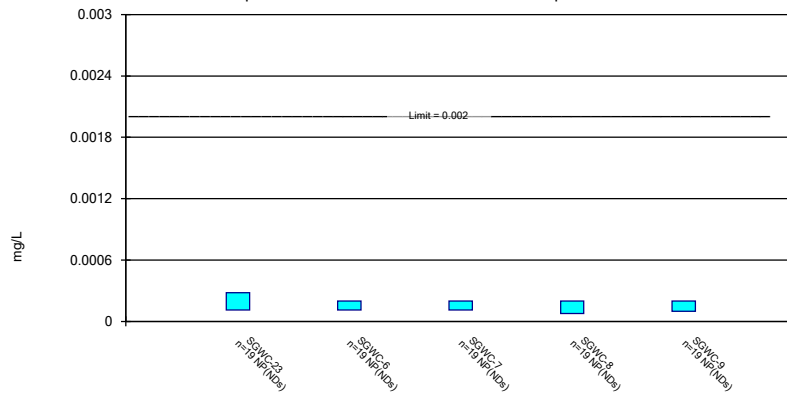
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

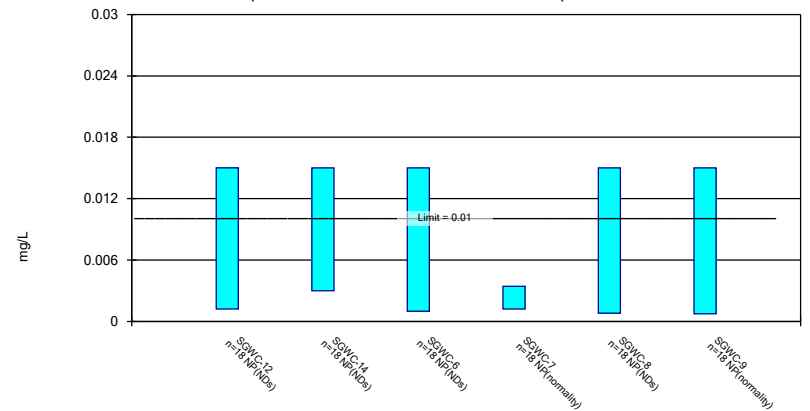
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

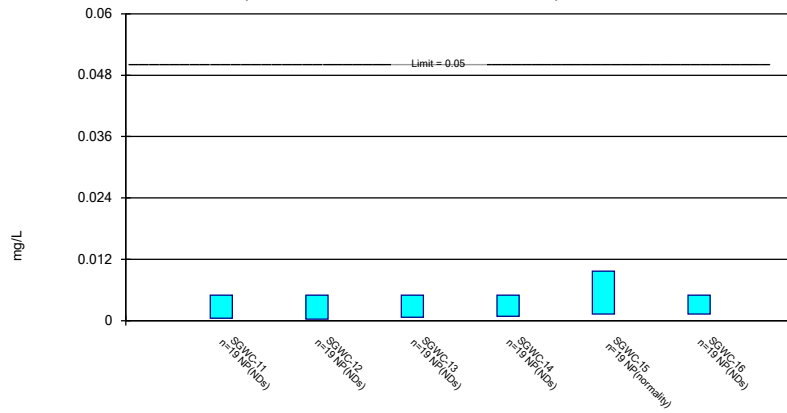
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

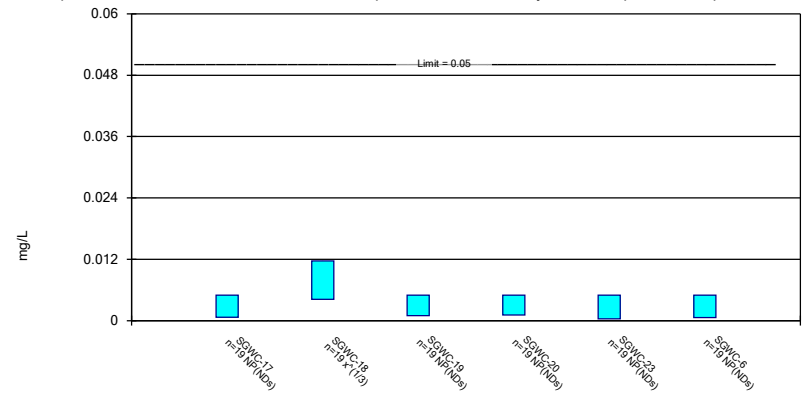
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

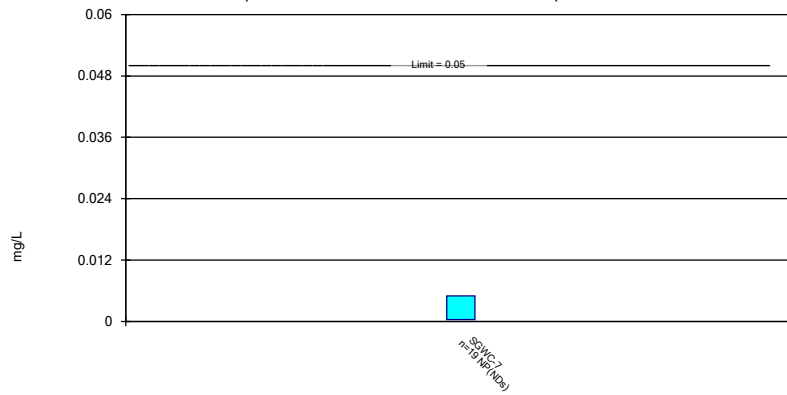
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

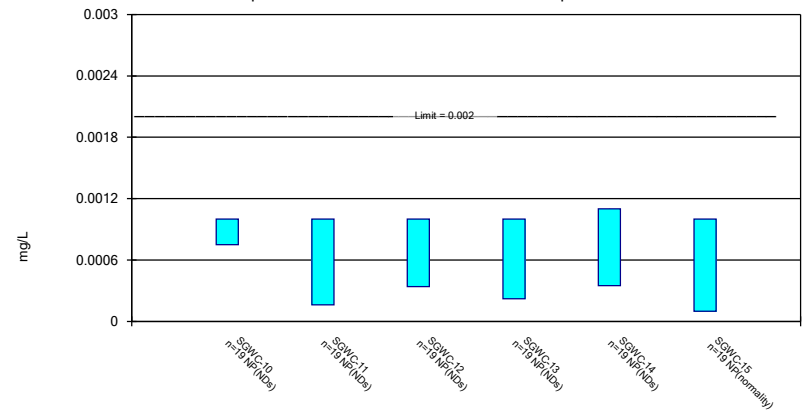
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

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

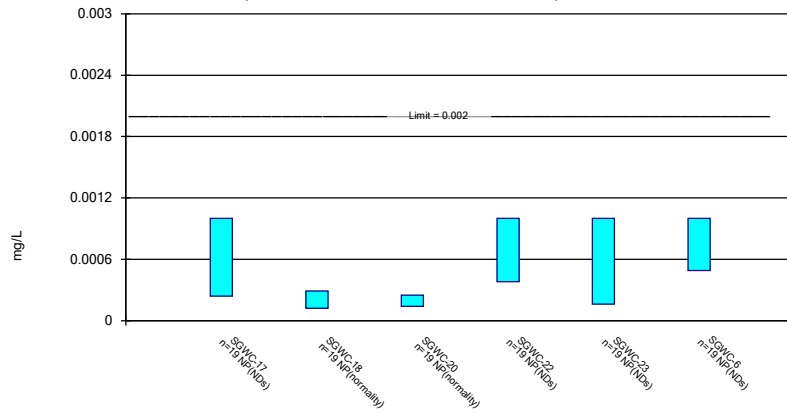


Constituent: Thallium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
 Plant Scherer Client: Southern Company Data: Scherer AP



### Non-Parametric Confidence Interval

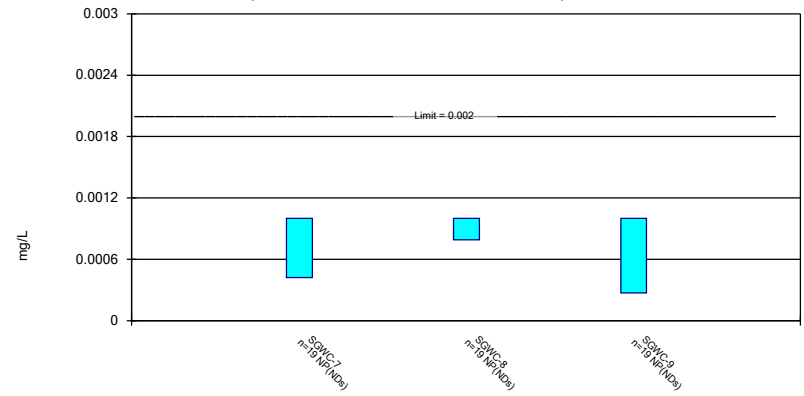
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

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



Constituent: Thallium Analysis Run 6/3/2021 11:32 AM View: Appendix IV  
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE I.

# State Confidence Interval - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	SGWC-10	0.03201	0.0216	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-11	0.02885	0.02241	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-15	0.2765	0.2595	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-18	0.1586	0.1168	0.02	Yes	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-20	0.2203	0.1607	0.02	Yes	19	0	None	No	0.01	Param.

# State Confidence Interval - All Results

Plant Scherer    Client: Southern Company    Data: Scherer AP    Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.0007	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	19	73.68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001373	0.0008754	0.01	No	19	21.05	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001045	0.00075	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003141	0.001707	0.01	No	19	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.0005	0.01	No	19	47.37	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	19	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	19	89.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	19	84.21	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.00059	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00063	0.01	No	19	68.42	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00068	0.01	No	19	52.63	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03281	0.02821	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04244	0.0377	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.054	0.0321	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-13	0.03459	0.02705	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05971	0.05184	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0388	0.03272	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.029	0.017	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-17	0.02218	0.01886	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.029	0.0138	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-19	0.0412	0.03409	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03416	0.02563	2	No	19	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.09	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09167	0.08128	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08474	0.06996	2	No	19	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	SGWC-6	0.1061	0.06324	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.3007	0.258	2	No	19	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	19	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06792	0.05628	2	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00059	0.00037	0.004	No	19	15.79	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	19	47.37	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.00019	0.004	No	19	73.68	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008104	0.000654	0.004	No	19	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	19	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	19	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	18	44.44	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	18	66.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	18	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	18	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	19	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.0026	0.0016	0.1	No	19	68.42	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03514	0.03258	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01171	0.009637	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.006475	0.004049	0.1	No	19	0	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009498	0.00743	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01587	0.01437	0.1	No	19	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	19	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	19	78.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	19	63.16	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001707	0.001256	0.1	No	19	47.37	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	19	57.89	None	No	0.01	NP (NDs)
<b>Cobalt (mg/L)</b>	<b>SGWC-10</b>	<b>0.03201</b>	<b>0.0216</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>

# State Confidence Interval - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
<b>Cobalt (mg/L)</b>	<b>SGWC-11</b>	<b>0.02885</b>	<b>0.02241</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-12	0.004058	0.002582	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.007231	0.003185	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01168	0.006994	0.02	No	19	0	None	No	0.01	Param.
<b>Cobalt (mg/L)</b>	<b>SGWC-15</b>	<b>0.2765</b>	<b>0.2595</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-16	0.004204	0.003442	0.02	No	19	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	19	21.05	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-18</b>	<b>0.1586</b>	<b>0.1168</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
<b>Cobalt (mg/L)</b>	<b>SGWC-20</b>	<b>0.2203</b>	<b>0.1607</b>	<b>0.02</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	19	63.16	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003396	0.001895	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	19	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0012	0.02	No	19	36.84	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.01045	0.00539	0.02	No	19	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.00265	0.00049	0.02	No	19	68.42	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01276	0.006525	0.02	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.0159	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.494	0.1475	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4403	0.1561	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4468	0.1548	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3568	0.05013	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4613	0.229	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3489	0.09083	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4313	0.1716	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.449	0.139	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.6191	0.3296	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.143	5	No	19	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4596	0.1292	5	No	19	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6629	0.3938	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.4127	0.1483	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5102	0.2906	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.573	2.075	5	No	19	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3852	0.1213	5	No	19	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	20	85	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.101	0.06387	4	No	20	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	20	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.06979	0.04191	4	No	20	45	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.1	4	No	20	70	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	20	85	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2669	0.184	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09367	0.06554	4	No	20	35	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	20	80	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	20	45	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1354	0.09799	4	No	20	15	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2249	0.1786	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4597	0.3585	4	No	20	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08051	0.05504	4	No	20	45	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	19	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00029	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	19	47.37	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00022	0.001	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	19	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	19	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	19	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	19	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.005	No	19	68.42	None	No	0.01	NP (NDs)

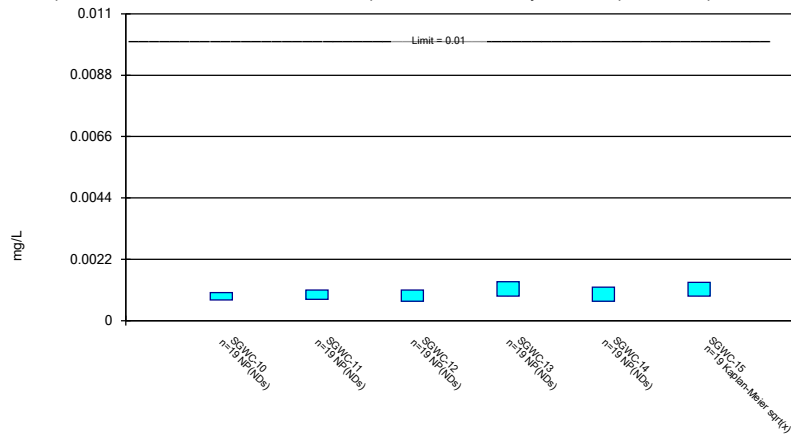
# State Confidence Interval - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	19	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	19	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004789	0.003931	0.005	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.005	No	19	89.47	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004868	0.003999	0.005	No	18	5.556	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	19	78.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	19	84.21	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.005	No	19	47.37	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005399	0.004289	0.005	No	18	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.005	No	19	73.68	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	19	36.84	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00011	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001765	0.000112	0.002	No	19	26.32	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	19	84.21	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	19	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.015	No	18	22.22	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	18	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.015	No	18	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	19	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.00965	0.0013	0.05	No	19	47.37	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	19	68.42	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.0117	0.00416	0.05	No	19	5.263	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0011	0.05	No	19	63.16	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	19	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	19	42.11	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00012	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00014	0.002	No	19	5.263	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	19	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	19	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	19	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	19	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.00027	0.002	No	19	94.74	None	No	0.01	NP (NDs)

### Parametric and Non-Parametric (NP) Confidence Interval

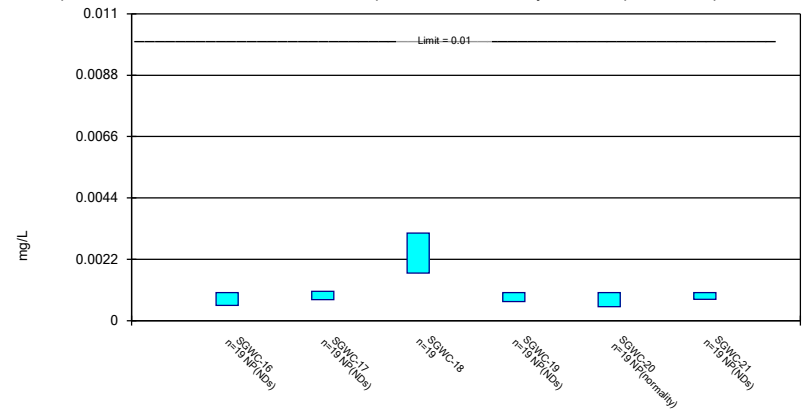
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

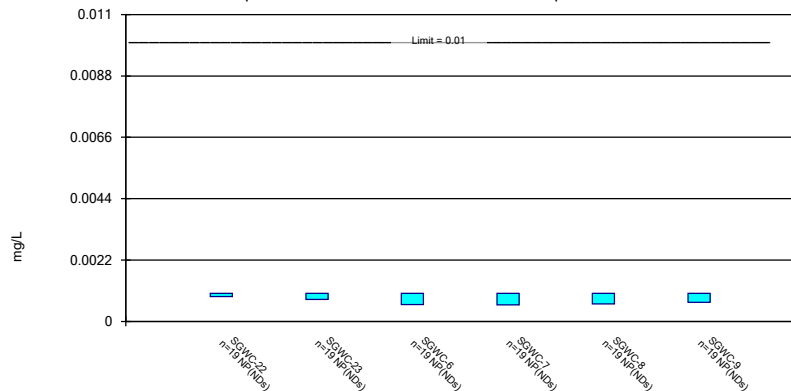
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

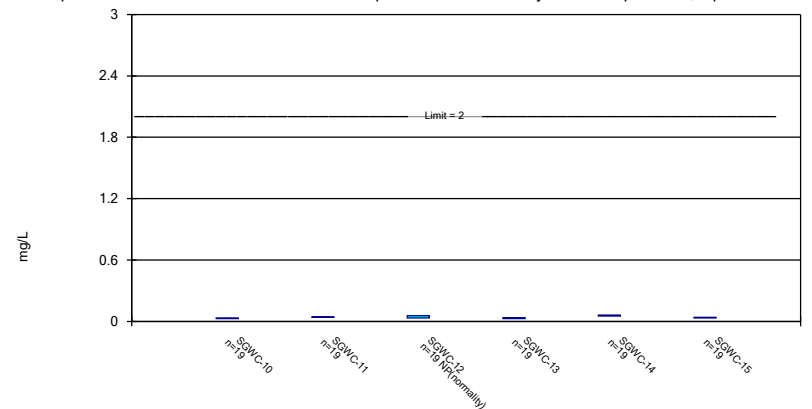
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

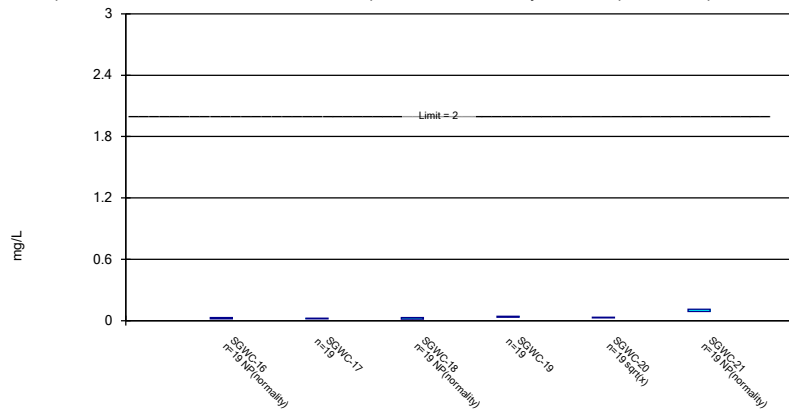
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

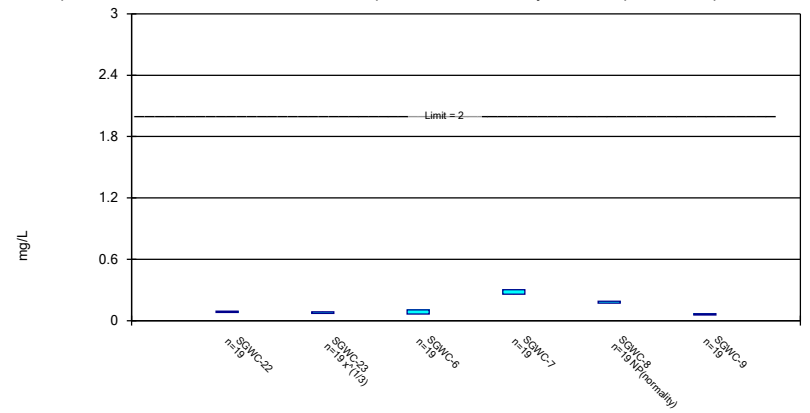
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

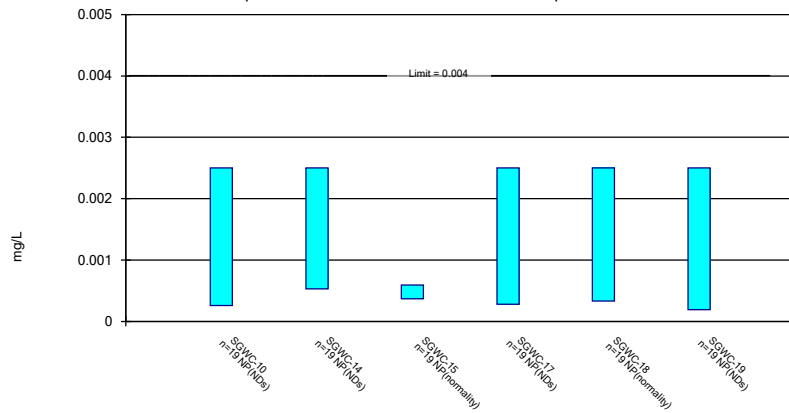
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

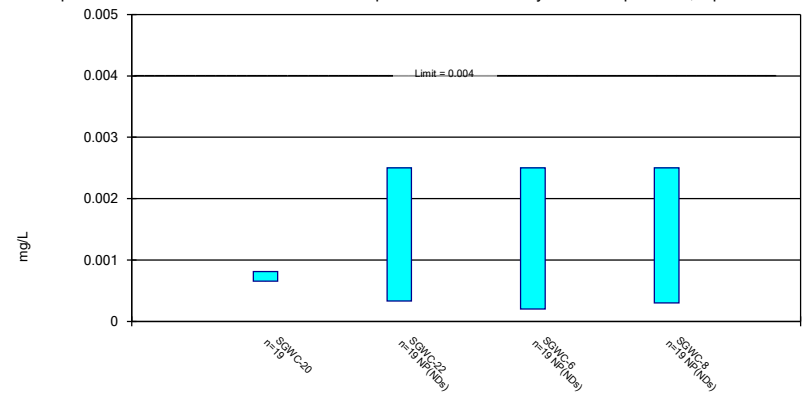
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### 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.

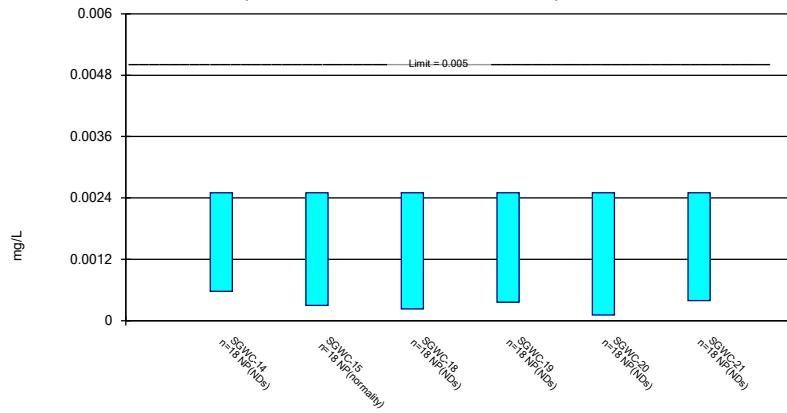


Constituent: Beryllium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP



### Non-Parametric Confidence Interval

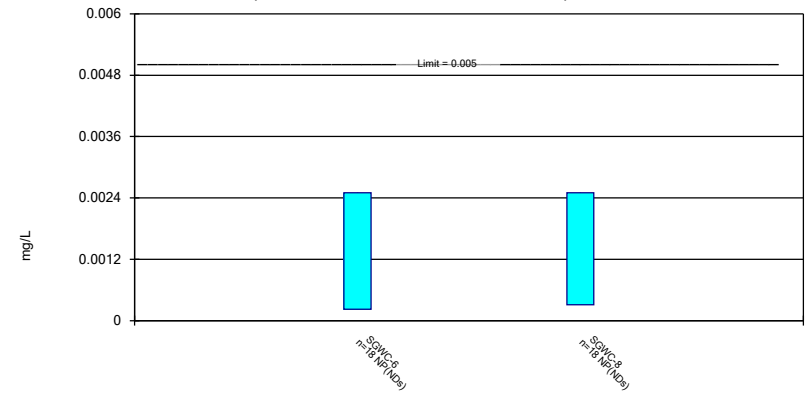
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

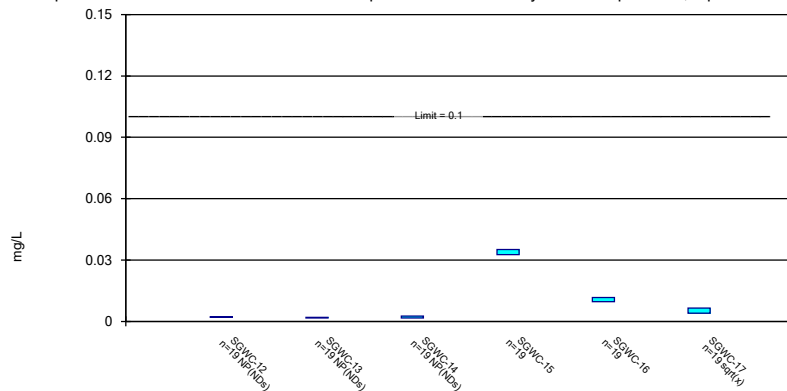
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

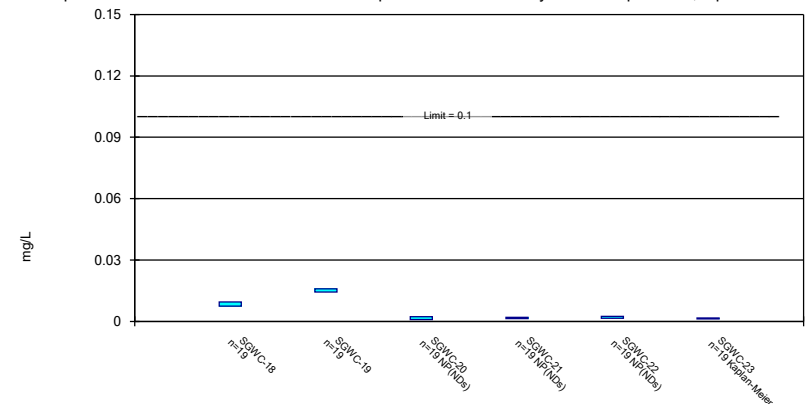
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

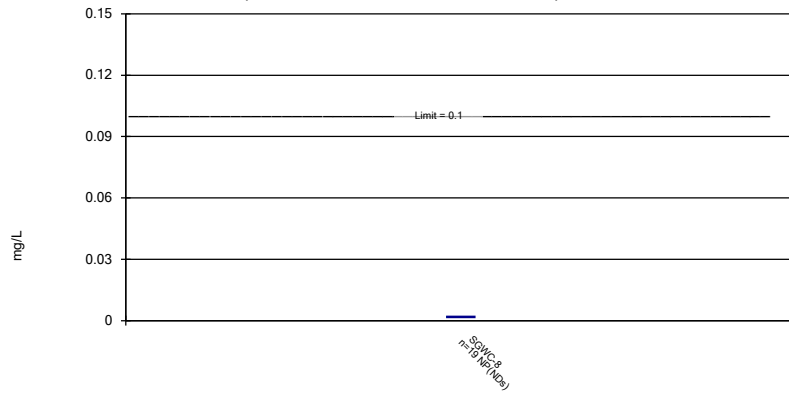
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

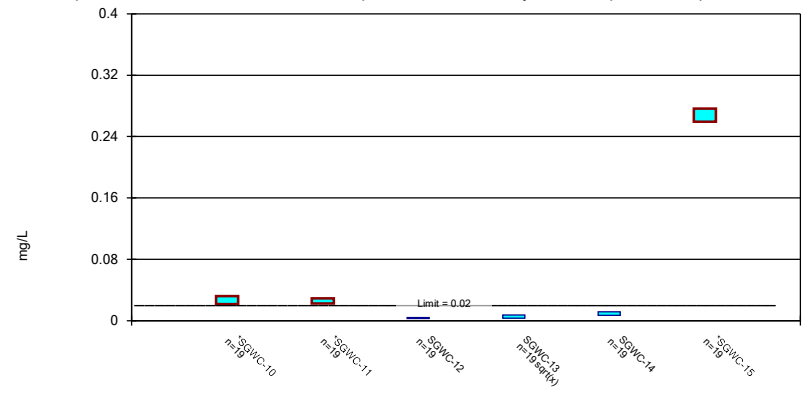
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric Confidence Interval

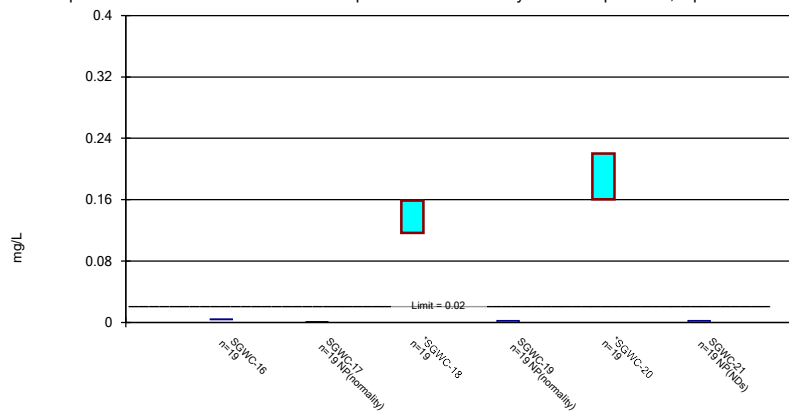
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

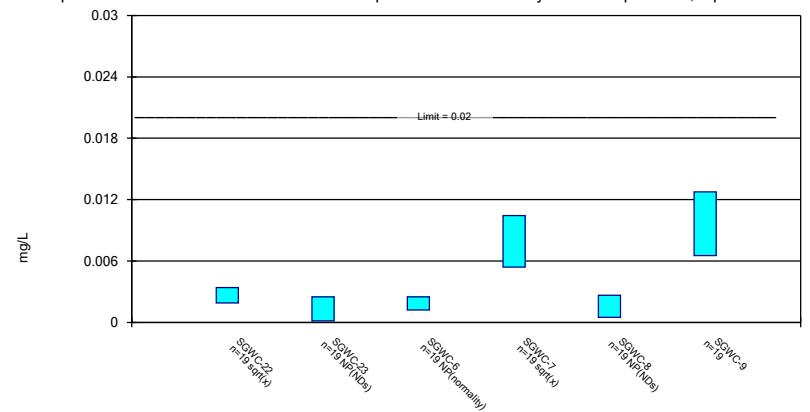
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

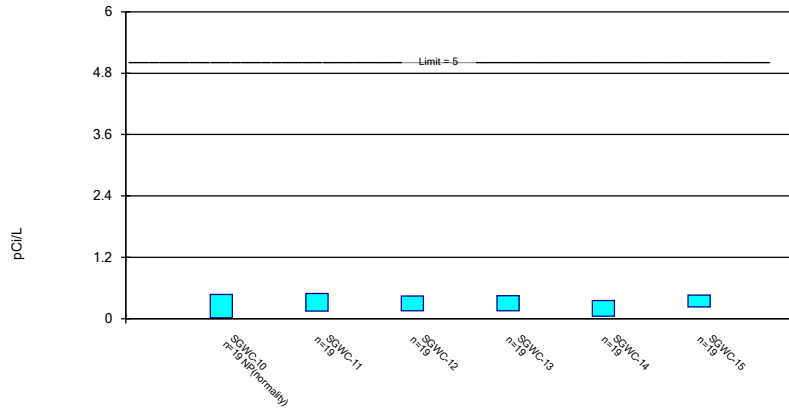
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

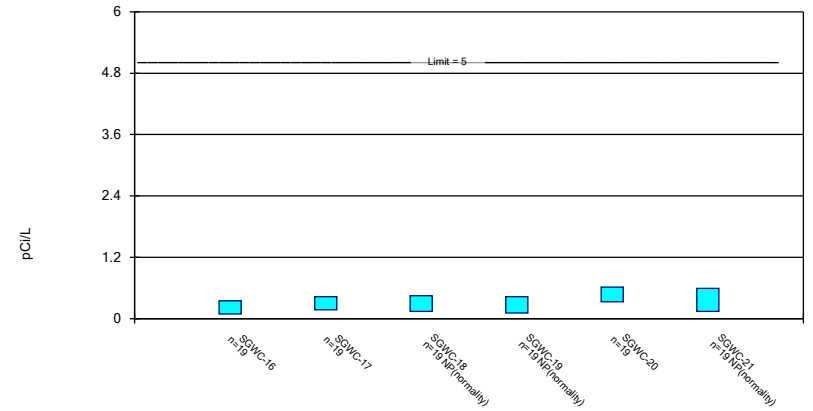
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

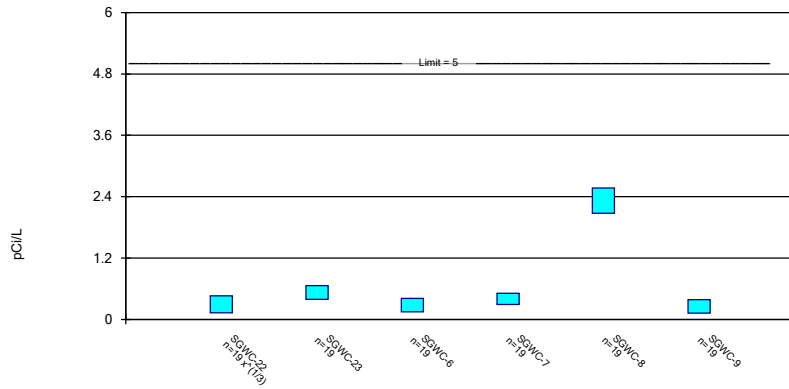
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

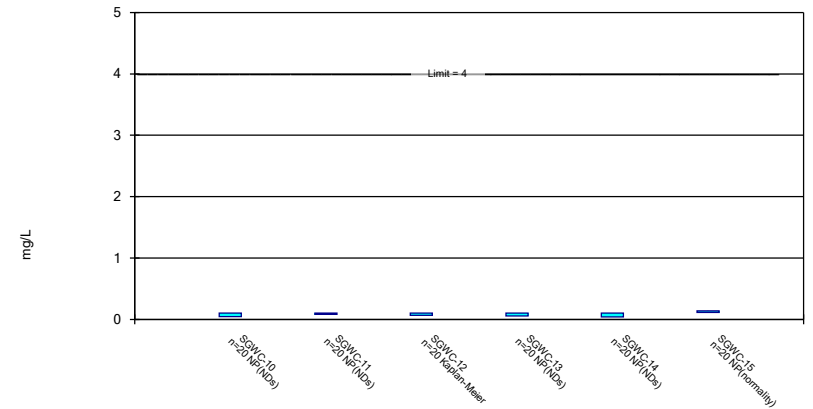
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

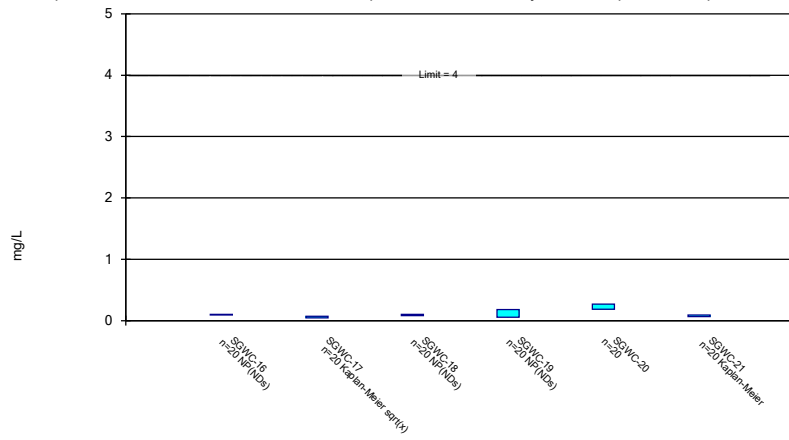
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

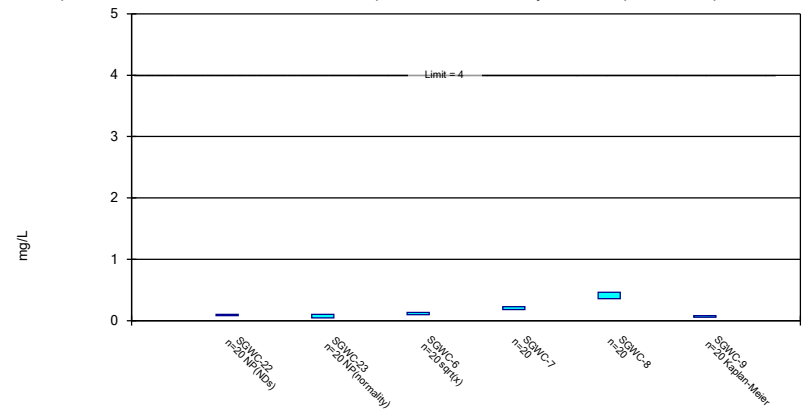
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

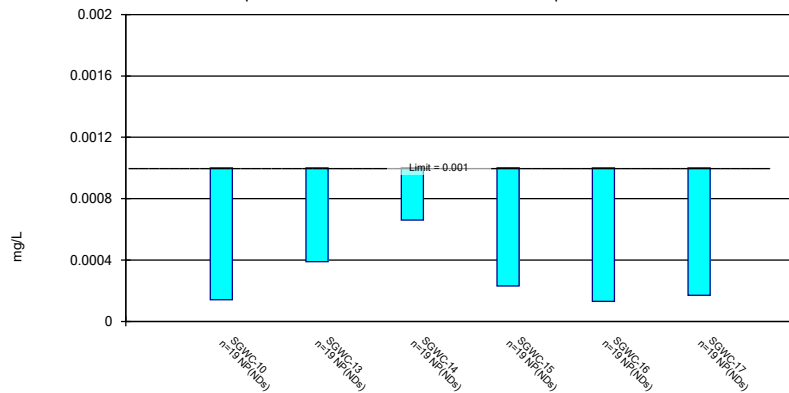
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

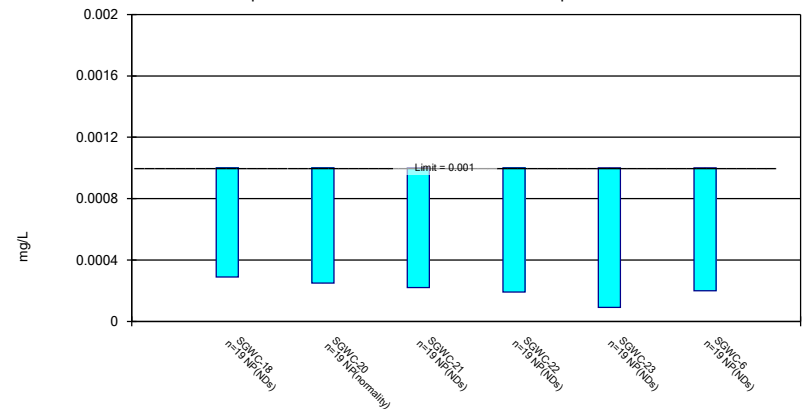
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

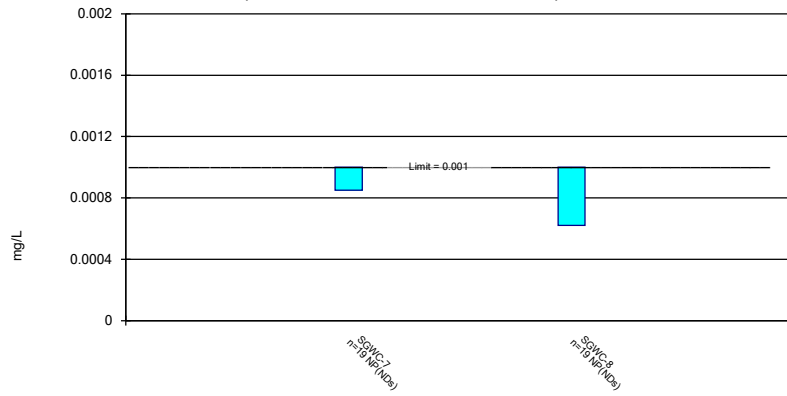
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

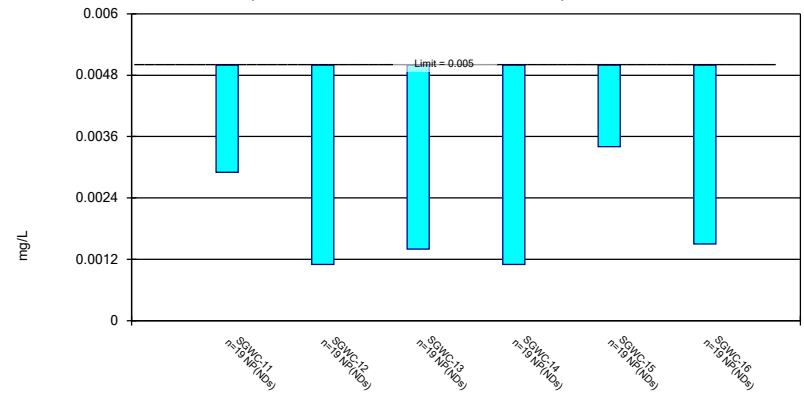
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

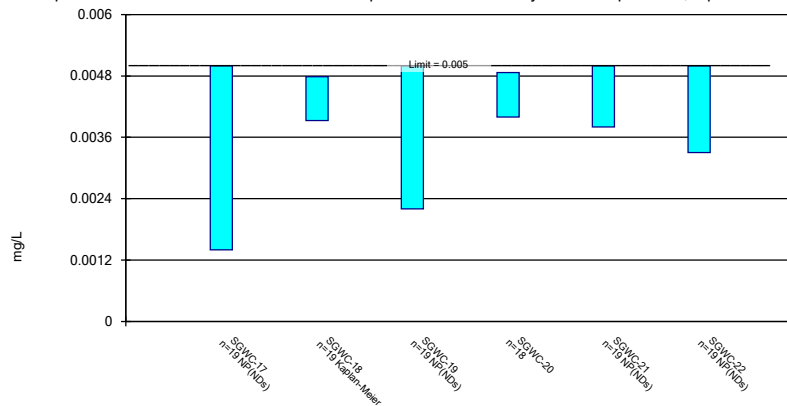
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

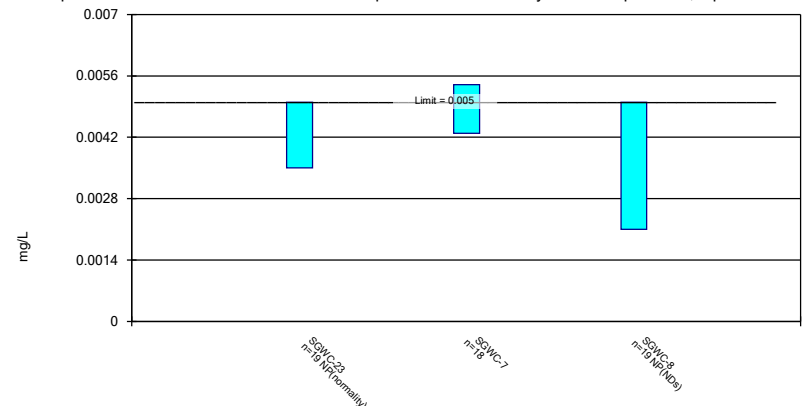
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

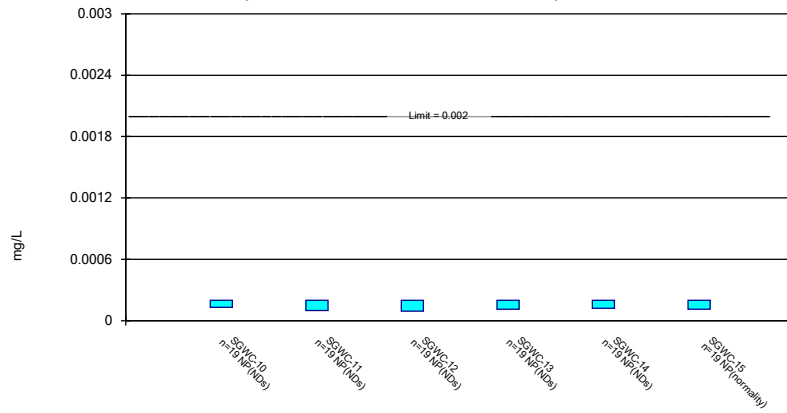
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
 Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

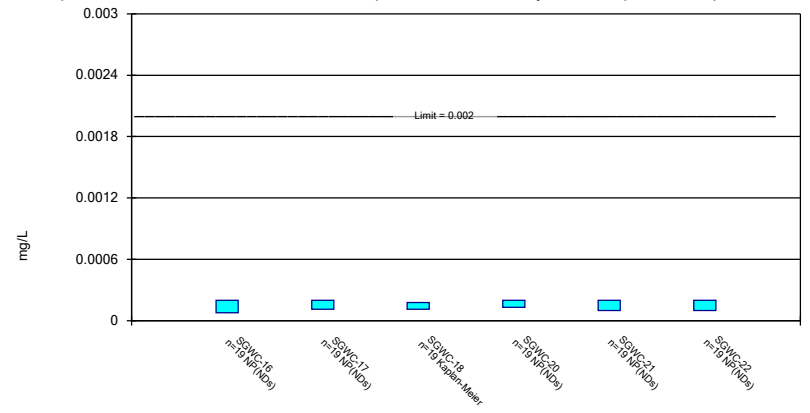
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

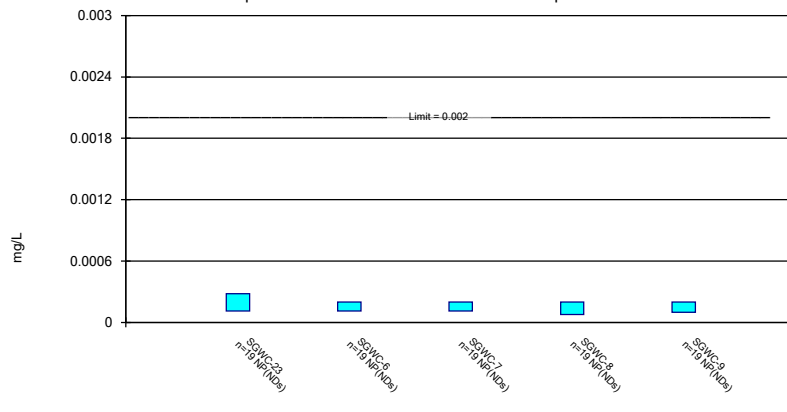
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

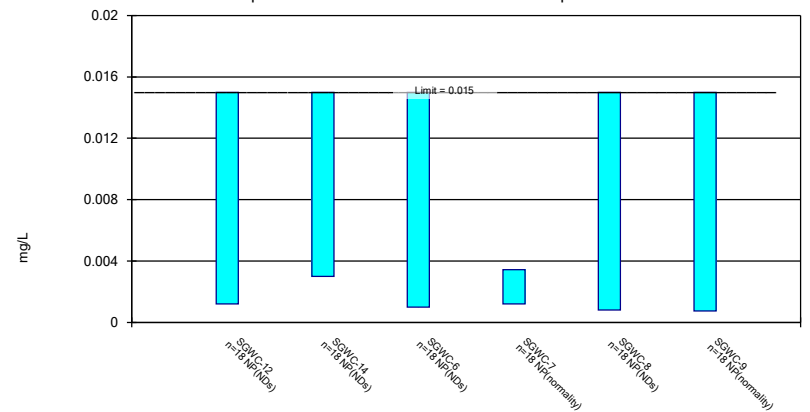
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

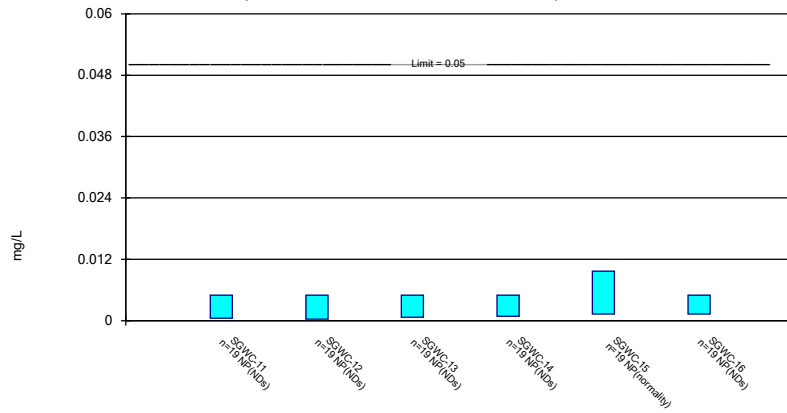
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

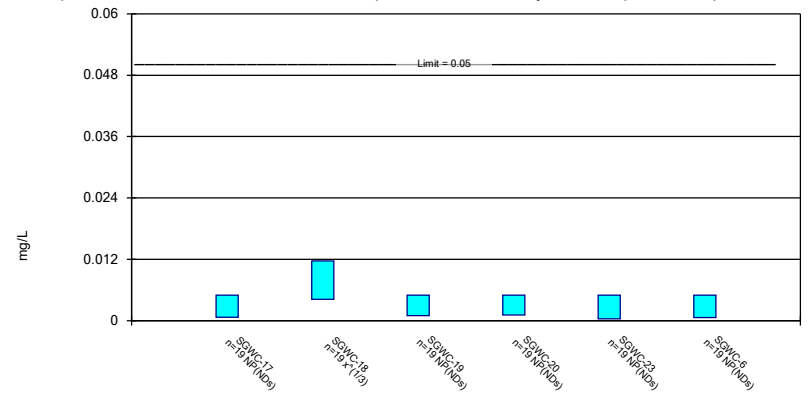
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Parametric and Non-Parametric (NP) Confidence Interval

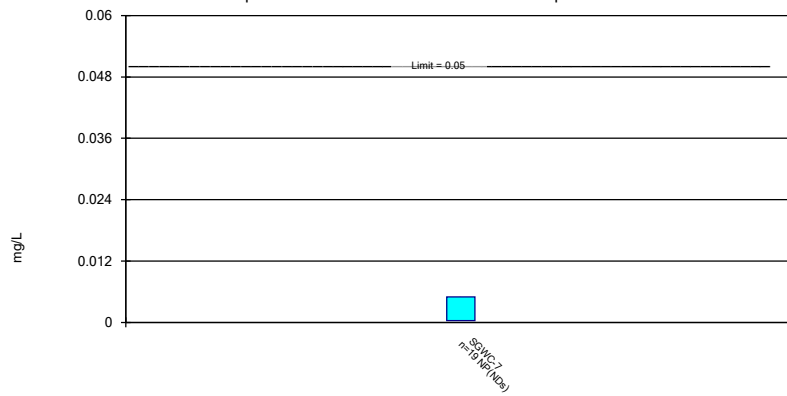
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

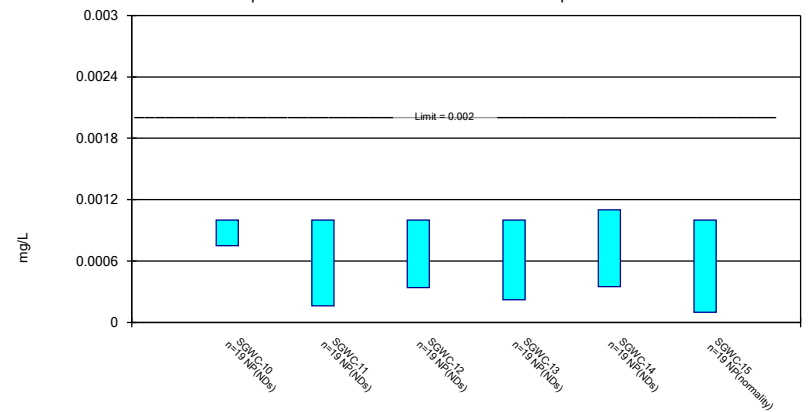
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

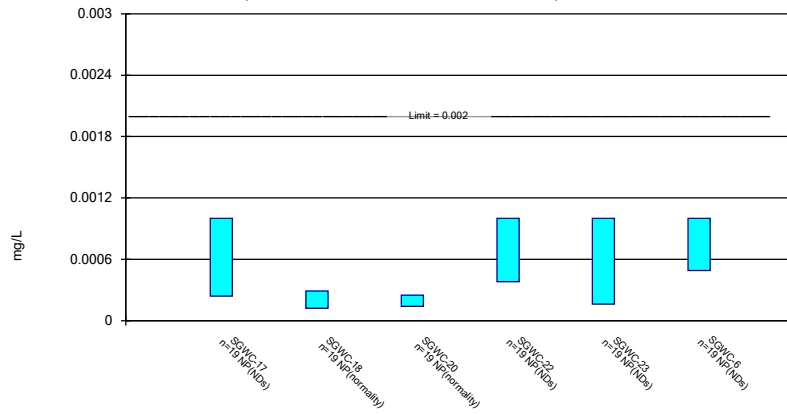
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

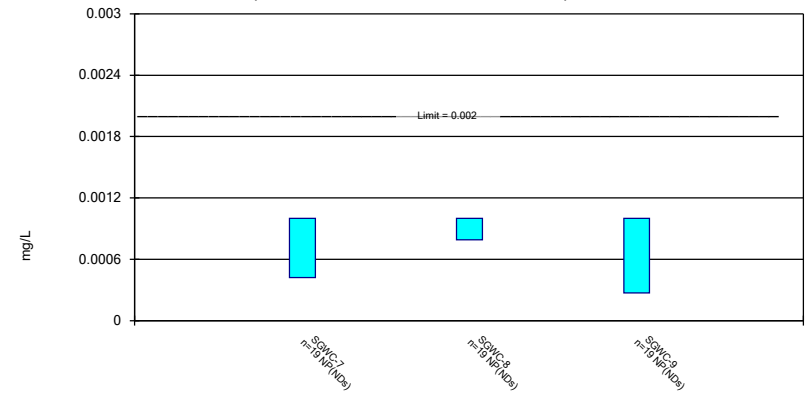
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP

### Non-Parametric Confidence Interval

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



Constituent: Thallium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals  
Plant Scherer Client: Southern Company Data: Scherer AP





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