REPORT

2021 Annual Groundwater Monitoring & Corrective Action Report

Georgia Power Company - Plant Scherer Ash Pond 1

Submitted to:

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Submitted by:

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January 31, 2022

Summary

This *2021 Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 (AP-1), Juliette, Monroe County, Georgia (GA), provides the status of groundwater monitoring and corrective program through December 2021. Groundwater monitoring and reporting for AP-1 is performed by Golder Associates USA 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 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.

Plant Scherer Ash Pond 1

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

During the 2021 semiannual and annual 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 in 2021. Groundwater monitoring events for AP-1 were conducted in February 2021 (annual), in March-April 2021 (first semi-annual) and in August 2021 (second 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 and August 2021 monitoring events have been statistically analyzed in accordance with the site's certified statistical analysis method. For both March-April 2021 and August 2021 semi-annual monitoring events, statistical analyses indicate statistically significant increases (SSIs) above the statistical limit and statistically significant levels (SSLs) above the groundwater protection standard as summarized below. The AP-1 network remains in assessment monitoring.

Appendix III Constituent	**March-April 2021**	**August 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	SGWC-8, SGWC-9, 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	SGWC-7, SGWC-8, SGWC-9, SGWC-12, SGWC-13, 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	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	SGWC-6, SGWC-7, SGWC-8, SGWC-20
pH	SGWC-15, SGWC-18, SGWC-20	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	SGWC-7, SGWC-8, SGWC-9, 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	SGWC-7, SGWC-8, SGWC-9, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23
Appendix IV Constituent	**March-April 2021**	**August 2021**
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, SGWC-20	SGWC-10, SGWC-11, SGWC-15, SGWC-18, SGWC-20

An Alternate Source Demonstration (ASD) was submitted to GA 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 are not the result of a release from AP-1 but rather naturally occurring cobalt in subsurface aquifer materials. Following their review, the GA EPD issued a letter of non-concurrence with the ASD report, dated August 20, 2021, which acknowledged that cobalt is naturally occurring in groundwater but required additional lines of evidence for approval. Georgia Power initiated an ACM on November 18, 2021. Georgia Power will complete an ACM following the timelines and requirements of 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 corrective action program during the 2021 reporting period, the Site will remain in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to GA EPD semi-annually.

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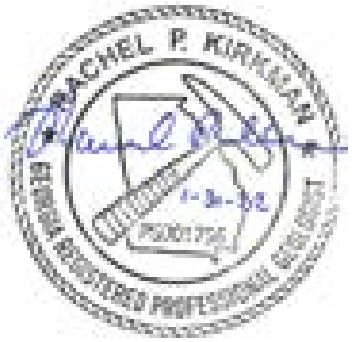
Certification Statement

This *2021 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.



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

I hereby certify that this *2021 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).

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Todd H. Rees, PhD, PE
Georgia Professional Engineer No. 047845

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 USA Inc. (Golder) has prepared this Annual Groundwater Monitoring Report to document groundwater monitoring activities conducted during 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 and second semi-annual monitoring events conducted in March - April 2021 and August 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. An Alternate Source Demonstration (ASD) was submitted to GA EPD on January 14, 2019, to address SSLs for cobalt identified at wells SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20. Following review of the ASD report, GA EPD issued a notice of non-concurrence, dated August 2021, which acknowledged that cobalt is naturally occurring in groundwater but required additional lines of evidence for approval. Georgia Power initiated an assessment of corrective measures (ACM) on November 18, 2021. Georgia Power will complete an ACM following the timelines and requirements of Rule 394-3-4-.10(6)(d)4 and § 257.96. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater at AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semi-annual monitoring and reporting.

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

1.1 Site Description & 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. A permit application for closure of AP-1 was submitted to GA EPD in November 2018 and is currently under review by GA EPD.

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.

Locally, 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 if blow counts were provided), transitionally weathered rock (TWR), which are referred to as overburden, 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 at 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 a review of boring and well construction logs, the screen sections and filter pack intervals for most of the piezometers and monitoring wells installed at the site are located within the overburden. Based on water elevation surveys, groundwater generally flows from the northwest towards AP-1 and then radially (following topography) away from the ridge to the northeast and east, southeast and south and southwesterly directions across the site and is consistent with historical observations. The direction and gradient of topography and groundwater surface suggests and supports an unconfined, phreatic or water table aquifer generally within the overburden.

Field hydraulic conductivity tests (i.e., slug tests) performed in a variety of geologic materials on site indicate an average horizontal hydraulic conductivity on the order of $6x10^{-4}$ centimeters per second (cm/s) with an average of 2.36 feet/day (ft/day) and a median of 1.31 ft/day (Golder, 2020a). 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 piezometers. Landfill Cell 1, and PAC Ash Cell wells are discussed in a separate report. The detection monitoring well network has been certified by a Registered Professional Engineer in Georgia 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 during calendar year 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. Field Data Forms and Instrument Calibration Forms for each of the sampling events in 2021 are included in Appendix A. Analytical Results, Laboratory Accreditation, and Data Validation Summaries for each of the 2021 sampling events are included in Appendix B.

2.1 Monitoring Well Installation and Maintenance

There was no change to the certified groundwater monitoring well network in 2021. Monitoring wells are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2021, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in Appendix C. This documentation will serve as the required five year well inspection and was performed under the direction of a professional geologist or engineer registered in the State of Georgia.

Piezometer PZ-6S was decommissioned on July 7, 2021. The piezometer was located in an area of construction activities supporting ash pond closure and required removal. Documentation of the abandonment is presented in *Piezometer Abandonment Report for PZ-06S* (Golder, 2021). A copy of this report is included in Appendix D.

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 Assessment of Corrective Measures

Pursuant to 40 CFR § 257.95, an alternate source demonstration (ASD) was submitted to GA EPD on January 14, 2019, to address cobalt at AP-1. Following their review, the GA EPD issued a letter of non-concurrence with the ASD report on August 20, 2021 which acknowledged that cobalt is naturally occurring in groundwater but

required additional lines of evidence for approval. GA EPD requested that Georgia Power initiate an Assessment of Corrective Measures (ACM). On November 18, 2021. Georgia Power initiated the ACM and will complete an ACM following the timelines and requirements of Rule 394-3-4-.10(6)(d)4 and § 257.96o § 257.94(e)(3).

2.4 Additional Sampling

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

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) during the March - April 2021 monitoring event. Results of this additional sampling are presented in Appendix B.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

Groundwater sampling events were conducted for AP-1 in February, March - April, and August 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 and August 2021 semi-annual sampling events, 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 B.

3.1 Groundwater Level Measurements

Prior to each sampling event, groundwater elevations were recorded from AP-1, Cell 1, Cell 3 and PAC Ash Cell 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, 3B, and 3C. Review of Figures 3A 3B, and 3C shows that groundwater generally flows from the northwest towards AP-1 and then radially (following topography) away from the ridge to the northeast and east, southeast and south and southwesterly directions across the site and is consistent with historical observations. The consistent correlation in direction and gradient of topography and groundwater surface suggests and supports an unconfined, phreatic or water table aquifer within the overburden.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates at the site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon. Based on available slug test data, hydraulic conductivity of approximately 1.31 to 2.36 feet per day was used in the flow calculations. The hydraulic gradient was calculated between well pairs shown on Tables 4A, 4B and 4C. An effective porosity of 0.2 was used based on the default values for effective porosity recommended by US EPA for a silty sand-type soil (US EPA, 1996).

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

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

Where:

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

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

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

n_e = Effective porosity

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

As presented on Tables 4A, 4B, and 4C, groundwater flow velocities across at the site range from approximately 0.08 ft/day to 0.29 ft/day across AP-1 in February, from 0.08 ft/day to 0.29 ft/day in March and from 0.09 ft/day to 0.32 ft/day in August 2021. Overall, as discussed in Section 3.1,the direction and gradient of topography and groundwater surface suggests and supports an unconfined, phreatic or water table aquifer generally within the overburden 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® (an In-Situ® field instrument) or an Aqua TROLL 400 along with a separate turbidity meter to verify stabilization.

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

- 0.1 standard units for pH
- 5% for specific conductance
- ±10% or 0.2 milligrams per liter (mg/L), whichever is greater for DO. Where DO>0.5 (mg/L), no stabilization criteria apply
- Turbidity measurements less than 5 nephelometric turbidity units (NTUs)

Following well stabilization, unfiltered samples were collected directly into appropriately preserved laboratory supplied sample containers, placed in iced coolers, and submitted to the laboratory following standard chain-of-custody protocol. Field data forms (“Low-Flow Test Reports”) generated directly from the SmarTroll® or Aqua TROLL 400, along with daily calibration logs are included in Appendix A and chain of-custody records are included in Appendix B.

Combined with the Low-Flow Test Reports, additional field data sheets (Low-Flow System” summaries) are included 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 three groundwater monitoring events in 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 and August 2021 sampling events represent the first and second semiannual sampling events in 2021, respectively, 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 Appendix IV monitoring parameters per 40 CFR Parts 257. Tables 5A through 5E present tabulated summaries of the 2021 sampling results.

The required laboratory analyses were performed by Eurofins TestAmerica Laboratory (TAL) locations in 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 B.

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 10 samples. Equipment blanks (where non-dedicated sampling equipment is used), field blanks, and duplicate samples were also collected during each sampling event. QA/QC sample data was evaluated during data validation and is included in Appendix B.

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 B. 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 RCRA Facilities*, Unified Guidance, March 2009, US EPA 530/R-09-007 (Unified Guidance). The Sanitas Statistical Software (Sanitas™) package was used to perform the statistical analyses of groundwater data. Sanitas™ is a decision-support software package that incorporates the

statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the 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 E.

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 Mann Kendall Trend Test was used to statistically assess if there is a monotonic upward or downward trend of the variable of interest over time. A monotonic trend means that the variable consistently increases (or decreases) through time, but the trend may or may not be linear. For non-linear trends, the Sen's Slope procedure is used for calculating the non-parametric estimate of the slope of the trend

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 GA 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 first and second semi-annual monitoring events conducted in March-April and August 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 and August monitoring events are included in Appendix E.

4.2.1 First Semi-Annual 2021 Appendix III Statistical Results

Based on statistical results presented in Appendix E, 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 E. 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 First Semi-Annual 2021 Assessment Monitoring Statistical Results

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

4.2.3 Second Semi-Annual 2021 Appendix III Statistical Results

Based on statistical results presented in Appendix E, SSIs of boron, calcium, chloride, fluoride, pH, sulfate, and TDS at various wells were identified following the August 2021 semi-annual monitoring event. A detailed list of the noted exceedances is provided in Appendix E. 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).

4.2.4 Second Semi-Annual 2021 Assessment Monitoring Statistical Results

Analytical data from the August 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 August 2021	
Appendix IV Parameter	**AP-1 Monitoring Well**
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20

4.2.5 Second Semi-Annual 2021 Trend Evaluation

August 2021 results for cobalt were further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing, decreasing or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater. Results of trend analyses for cobalt are presented in the August 2021 Statistical Package in Appendix E. Statistically significant trends were noted for the following well/constituent pairs:

Increasing Trends	**Decreasing Trends (Cobalt)**
None	SGWA-1 (upgradient) SGWA-25 (upgradient), SGWC-11, 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 SSLs of cobalt at AP-1 (Golder, 2019). The ASD presented multiple lines of evidence for the natural occurrence of cobalt in groundwater at the site and 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, natural source of cobalt released by low pH groundwater at some locations. Groundwater quality data since 2016, demonstrate a spatial variability in cobalt concentrations across the site including upgradient of AP-1. Following their review, the GA EPD acknowledged the natural occurrence of cobalt in groundwater at the site but issued a letter stating that EPD does not concur at this time. This letter stated that EPD is not able to discount that cobalt concentrations may be influenced by the CCR unit. The notice was issued on August 20, 2021 and requested Georgia Power to initiate the ACM process of 391-3-4-.10(6).

GA EPD acknowledged that if additional information was available in support of the ASD, that information would be reviewed following submittal of an updated ASD.

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 November 18, 2021, Georgia Power initiated an ACM per Rule 394-3-4-.10(6)(d)4 and § 257.96 to address the concentrations of cobalt in site groundwater.

6.0 CONCLUSIONS AND FUTURE ACTIONS

This *2021 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 both semi-annual events for 2021. 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 will proceed with an ACM in response to the SSLs of cobalt in site groundwater. The next scheduled sampling event is tentatively scheduled for February 2022. The February 2022 semiannual assessment monitoring event will be a combined event to meet the requirements of § 257.95(b) and § 257.95(d)(1) and will include sampling and analysis of all Appendix III and IV constituents.

7.0 REFERENCES

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TABLES

TABLE 1
SUMMARY OF MONITORING WELL CONSTRUCTION DATA
Georgia Power - Plant Scherer
Juliette, GA

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing[1]	NAD 83 Easting[1]	Ground Surface Elevation at Concrete Pad (feet NAVD88)	Ground Surface Elevation (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Well Depth (ft BTOC)[2]	Top of Screen Elevation (feet NAVD88)[2]	Bottom of Screen Elevation (feet NAVD88)[2]	Screen Length (feet)	Date of Installation
AP-1 MONITORING WELL NETWORK												
SGWA-1	Upgradient	Overburden	1119233.10	2399899.81	544.27	544.1	546.83	53.7	503.57	493.57	10	2/11/2015
SGWA-2	Upgradient	Bedrock	1119237.67	2399908.19	544.20	544.0	546.94	98.5	458.55	448.55	10	2/17/2015
SGWA-3	Upgradient	Overburden	1120224.15	2399296.64	543.03	542.9	545.83	53.0	502.88	492.88	10	11/18/2015
SGWA-4	Upgradient	Overburden	1121477.05	2401124.64	544.96	544.8	547.66	63.3	494.31	484.31	10	11/17/2015
SGWA-5	Upgradient	Overburden	1118088.42	2397426.26	505.93	505.7	508.48	32.8	485.53	475.53	10	11/18/2015
SGWC-6	Downgradient	Overburden	1122167.18	2401979.98	507.87	507.7	510.49	27.8	492.67	482.67	10	11/12/2015
SGWC-7	Downgradient	Bedrock	1122668.61	2402259.75	503.65	503.5	506.40	37.9	478.45	468.45	10	11/11/2015
SGWC-8	Downgradient	Overburden/Bedrock	1122865.98	2402979.50	511.68	511.5	514.28	42.8	481.48	471.48	10	11/11/2015
SGWC-9	Downgradient	Overburden	1122634.64	2403455.19	507.88	507.6	510.62	38.0	482.63	472.63	10	11/6/2015
SGWC-10	Downgradient	Overburden	1121895.85	2404046.92	506.80	506.6	509.41	32.8	486.60	476.60	10	11/5/2015
SGWC-11	Downgradient	Overburden	1121542.11	2404332.12	508.77	508.6	511.47	42.9	478.62	468.62	10	10/29/2015
SGWC-12	Downgradient	Overburden	1121576.75	2405009.92	497.80	497.7	500.53	50.4	460.70	450.70	10	10/30/2015
SGWC-13	Downgradient	Overburden	1121274.85	2405761.20	480.17	479.9	482.71	37.8	454.92	444.92	10	11/4/2015
SGWC-14	Downgradient	Overburden	1120966.13	2406329.89	473.52	473.3	476.72	38.7	448.52	438.52	10	2/24/2015
SGWC-15	Downgradient	Overburden	1120191.20	2407093.92	479.76	479.7	482.75	48.3	444.86	434.86	10	2/26/2015
SGWC-16	Downgradient	Overburden	1119221.42	2407155.89	457.18	457.0	460.31	43.5	428.23	418.23	10	3/3/2015
SGWC-17	Downgradient	Overburden	1118308.77	2407267.44	415.13	414.9	418.00	27.6	400.83	390.83	10	3/11/2015
SGWC-18	Downgradient	Overburden	1116947.75	2406931.32	510.41	510.3	513.29	47.5	476.21	466.21	10	3/17/2015
SGWC-19	Downgradient	Overburden	1116024.59	2406097.05	476.13	475.8	478.94	37.7	451.63	441.63	10	3/18/2015
SGWC-20	Downgradient	Overburden	1116020.73	2405307.67	501.69	501.5	504.60	28.1	486.49	476.49	10	11/19/2015
SGWC-21	Downgradient	Overburden	1115409.88	2404197.33	484.92	484.7	487.67	27.9	470.17	460.17	10	5/6/2015
SGWC-22	Downgradient	Overburden	1115540.08	2403001.81	515.51	515.4	518.02	52.7	478.91	468.91	10	1/22/2015
SGWC-23	Downgradient	Bedrock	1116693.80	2402131.07	520.17	520.0	523.10	52.8	480.72	470.72	10	2/3/2015
SGWA-24	Upgradient	Overburden	1118121.96	2400743.52	489.47	489.3	492.38	43.1	461.62	451.62	10	2/10/2015
SGWA-25	Upgradient	Overburen	1120555.28	2400857.08	523.45	523.2	526.49	48.3	488.60	478.60	10	2/18/2015

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AP-1 ASSESSMENT MONITORING WELL NETWORK												
PZ-13S	Downgradient	Overburden	1121957.03	2404227.47	517.68	517.5	520.51	48.3	482.58	472.58	10	4/1/2015
PZ-14S	Downgradient	Overburden	1121852.80	2404820.56	509.03	508.7	512.13	48.4	474.18	464.18	10	3/26/2015
PZ-17I	Downgradient	Bedrock	1120190.27	2407107.37	480.20	479.9	483.03	100.4	393.20	383.20	10	2/27/2015
PZ-39S	Downgradient	Overburden	1120178.43	2407470.49	471.99	471.8	474.58	82.8	405.79	395.79	10	8/21/2018
PZ-40I	Downgradient	Bedrock	1116960.39	2406934.72	510.19	510.1	512.55	86.5	437.09	427.09	10	8/15/2018
PZ-41S	Downgradient	Overburden	1116799.18	2407124.98	488.66	488.6	491.50	47.9	453.56	443.56	5	8/16/2018
PZ-42I	Downgradient	Bedrock	1116013.79	2405294.12	500.65	500.5	503.18	107.7	414.45	404.45	10	8/21/2018
PZ-43S	Downgradient	Overburden	1115598.12	2405507.16	501.34	501.2	504.03	57.8	460.69	450.69	10	8/17/2018
PZ-44I	Downgradient	Bedrock	1121515.40	2404330.23	507.91	507.9	510.36	116.5	403.86	393.86	10	9/5/2018
PIEZOMETERS												
PZ-2I	Downgradient	Bedrock	1115544.85	2402990.76	515.06	514.8	517.56	86.8	440.91	430.91	10	1/27/2015
PZ-3S	Downgradient	Overburden	1116085.04	2402533.80	514.57	514.4	517.29	52.9	474.77	464.77	10	1/29/2015
PZ-5I	Downgradient	Bedrock	1117484.15	2401816.71	520.73	520.6	523.26	49.8	484.03	474.03	10	2/4/2015
PZ-9I	Upgradient	Bedrock	1120562.72	2400862.76	523.61	523.3	526.57	83.5	453.51	443.51	10	2/19/2015
PZ-10S	Downgradient	Overburden	1122338.03	2401768.92	514.78	514.4	517.53	38.1	489.88	479.88	10	5/5/2015
PZ-11S	Downgradient	Overburden	1123169.22	2402767.44	526.19	526.0	529.31	49.2	490.54	480.54	10	4/6/2015
PZ-12S	Downgradient	Overburden	1122684.90	2403618.46	514.64	514.5	517.69	47.5	480.54	470.54	10	4/1/2015
PZ-14I	Downgradient	Bedrock	1121866.36	2404822.43	510.03	509.7	512.89	98.4	424.93	414.93	10	3/25/2015
PZ-15S	Downgradient	Overburden	1121486.96	2405558.59	497.59	497.4	500.60	43.3	467.74	457.74	10	4/28/2015
PZ-19I	Downgradient	Bedrock	1118588.47	2407251.56	414.74	414.5	417.76	75.1	353.04	343.04	10	3/4/2015
PZ-19S	Downgradient	Overburden	1118587.24	2407241.54	414.79	414.5	417.80	28.3	399.94	389.94	10	3/4/2015
PZ-20I	Downgradient	Bedrock	1118318.15	2407273.36	414.46	414.3	417.41	82.7	345.11	335.11	10	3/10/2015
PZ-21S	Downgradient	Overburden	1117639.19	2407006.52	470.85	470.6	473.74	28.1	457.60	447.60	10	3/12/2015
PZ-25S	Downgradient	Overburden	1121848.11	2404567.52	525.78	525.5	528.24	58.8	480.78	470.68	10	5/25/2016
PZ-25I	Downgradient	Overburden	1121837.80	2404573.04	526.02	525.8	528.39	128.6	410.97	400.97	10	5/24/2016

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PIEZOMETERS - continued												
PZ-26S	Downgradient	Overburden	1121696.65	2405733.23	489.17	489.1	491.65	48.6	454.27	444.27	10	6/1/2016
PZ-27D	Downgradient	Bedrock	1121558.94	2406023.17	472.659	472.4	475.43	129.0	367.61	347.61	20	6/17/2016
PZ-27S	Downgradient	Overburden	1121565.33	2406028.25	473.175	473.1	475.80	48.7	438.33	428.33	10	5/26/2016
PZ-28I	Downgradient	Bedrock	1121394.06	2406373.94	481.587	481.4	484.18	72.7	422.84	412.84	10	6/3/2016
PZ-29S	Downgradient	Overburden	1121269.19	2406618.29	488.704	488.5	491.31	48.8	453.70	443.70	10	5/26/2016
PZ-30I	Downgradient	Bedrock	1121073.53	2407078.99	475.712	475.6	478.31	89.8	400.46	390.46	10	6/2/2016
PZ-31I	Downgradient	Bedrock	1121204.03	2407445.73	464.163	464.0	466.89	79.9	399.06	389.06	10	6/2/2016
PZ-32D	Downgradient	Bedrock	1121089.64	2407719.37	462.561	462.4	465.42	129.6	366.56	336.56	30	6/1/2016
PZ-32S	Downgradient	Overburden	1121089.22	2407698.44	462.52	462.3	465.06	59.8	417.47	407.47	10	6/1/2016
PZ-33I	Downgradient	Overburden	1121245.25	2409064.05	466.547	466.4	469.38	79.4	400.65	390.65	10	6/8/2016
PZ-34S	Downgradient	Overburden	1121331.59	2409288.37	441.08	440.8	443.67	48.8	405.53	395.53	10	6/4/2016
PZ-35I	Downgradient	Overburden	1121598.57	2406058.33	474.72	474.6	474.40	55.8	429.27	419.27	10	6/22/2016
PZ-36I	Downgradient	Bedrock	1120410.99	2407256.25	478.96	478.9	481.52	99.7	393.56	383.56	10	6/5/2016
PZ-36S	Downgradient	Overburden	1120401.04	2407248.04	479.50	479.4	482.35	59.0	434.40	424.40	10	8/22/2018
PZ-37I	Downgradient	Overburden/Bedrock	1121178.48	2408419.19	479.68	479.5	482.18	75.2	418.48	408.48	10	6/2/2016
PZ-38I	Downgradient	Overburden	1121475.86	2406352.98	482.38	482.2	482.24	76.0	418.43	408.43	10	6/23/2016
PZ-45D	Downgradient	Bedrock	1125296.24	2400250.55	509.94	509.7	512.33	167.6	399.74	344.74	55	3/9/2020
PZ-46D	Downgradient	Overburden/Bedrock	1123512.22	2400923.25	447.37	447.1	450.28	56.7	423.57	393.57	30	3/17/2020
PZ-47D	Downgradient	Bedrock	1126623.42	2404366.80	406.91	406.8	410.01	29.2	396.66	381.66	15	3/11/2020
PZ-48S	Downgradient	Overburden	1125014.71	2405779.92	441.45	441.3	444.33	64.0	390.55	380.55	10	3/4/2020
PZ-49D	Downgradient	Bedrock	1123429.73	2410615.29	365.13	364.9	367.41	108.5	288.88	258.88	30	3/6/2020
PZ-49S	Downgradient	Overburden	1123434.46	2410605.99	365.29	365.2	367.89	27.7	350.19	340.19	10	3/7/2020
PZ-50D	Upgradient	Bedrock	1103125.91	2408306.87	470.70	470.7	473.78	103.1	380.66	370.66	10	3/18/2020
PZ-51D	Upgradient	Bedrock	1119239.99	2399955.07	543.47	543.2	546.04	128.9	427.17	417.17	10	3/8/2020
PZ-52	Downgradient	Overburden	1122822.91	2403622.69	519.68	519.4	521.84	79.4	452.43	442.43	10	3/17/2020
PZ-53	Downgradient	Overburden	1121932.34	2404813.43	513.81	513.6	516.64	48.0	478.61	468.61	10	3/19/2020

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PIEZOMETERS - continued												
PZ-54	Downgradient	Overburden	1121509.71	2406555.15	490.27	490.2	492.96	47.8	455.17	445.17	10	3/19/2020
PZ-55	Downgradient	Overburden	1121931.60	2409132.43	444.25	444.2	447.21	39.1	418.15	408.15	10	3/20/2020
PZ-56	Downgradient	Bedrock	1123524.68	2409037.21	431.10	430.8	433.68	48.8	395.10	385.10	10	3/19/2020
PZ-57	Downgradient	Overburden/Bedrock	1123405.64	2407361.88	436.55	436.4	439.51	62.1	387.45	377.45	10	3/19/2020
PZ-58	Downgradient	Overburden	1123299.43	2405207.09	489.35	489.3	492.21	49.0	453.25	443.25	10	3/16/2020
PZ-59S	Downgradient	Overburden	1125213.65	2407658.45	383.13	382.8	385.93	27.1	368.83	358.83	10	3/20/2020
PZ-59D	Downgradient	Bedrock	1125229.89	2407668.93	383.16	382.9	385.86	72.0	328.86	313.86	15	3/27/2020
PZ-60D	Downgradient	Bedrock	1124410.72	2408242.87	386.53	386.4	389.34	102.9	317.03	286.73	30	3/29/2020
PZ-60S	Downgradient	Overburden	1124400.44	2408243.59	386.66	386.4	389.88	23.5	376.36	366.36	10	3/31/2020
PZ-61	Downgradient	Overburden/Bedrock	1122537.21	2408531.43	436.84	436.8	439.27	52.5	397.34	387.34	10	4/11/2020
PZ-62	Downgradient	Overburden	1122370.34	2406175.11	498.45	498.3	501.32	55.1	456.00	446.00	10	4/9/2020
PZ-63	Downgradient	Bedrock	1123955.38	2404060.61	499.12	498.9	501.54	42.7	468.87	458.87	10	4/12/2020
PZ-64	Downgradient	Bedrock	1123724.36	2406404.18	476.09	476.0	479.52	72.5	416.99	406.99	10	4/8/2020
PZ-65	Downgradient	Overburden	1121937.16	2407733.04	429.77	429.6	432.42	32.8	409.57	399.57	10	4/11/2020
PZ-66D	Downgradient	Bedrock	1124644.48	2409028.45	424.64	424.4	427.60	269.2	-	-	open borehole	4/2/2020
PZ-66	Downgradient	Bedrock	1124664.10	2409115.98	418.68	418.4	421.24	62.9	373.38	358.38	15	5/8/2020
PZ-67D	Downgradient	Bedrock	1125764.81	2408259.40	424.86	424.7	428.48	304.8	-	-	open borehole	4/1/2020
PZ-67	Downgradient	Overburden	1125782.26	2408248.89	423.37	423.2	425.94	42.7	393.47	383.47	10	4/25/2020
PZ-68	Downgradient	Overburden	1125116.59	2407181.92	392.34	392.1	395.55	23.4	382.14	372.14	10	4/15/2020
LPZ-01	Upgradient	Overburden/Bedrock	1117001.58	2398513.19	550.47	550.0	553.29	69.1	495.97	485.97	10	11/10/2015
LPZ-02	Upgradient	Overburden	1119972.34	2398004.93	511.42	511.1	514.52	23.4	501.07	491.07	10	11/20/2015
LPZ-03	Upgradient	Overburden	1117883.86	2398657.00	512.55	512.2	515.45	38.3	487.15	477.15	10	11/18/2015
LPZ-04	Upgradient	Overburden	1115962.59	2397083.47	458.31	458.1	461.24	43.1	440.11	430.11	10	11/19/2015
LPZ-05	Upgradient	Overburden	1115328.95	2399698.53	521.81	521.5	524.51	106.405	479.41	469.41	10	11/5/2015

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GYPSUM CELL 1												
GWC-1	Downgradient	Overburden	1120077.85	2411555.32	371.77	371.6	374.95	39.35	346.91	336.91	10	10/28/2009
GWC-2	Downgradient	Overburden	1119816.59	2411493.53	377.02	376.9	380.22	57.82	332.12	322.12	10	10/8/2009
GWC-3	Downgradient	Overburden	1119613.99	2411202.86	407.36	407.1	410.44	49.34	370.70	360.70	10	10/29/2009
GWC-4	Downgradient	Overburden	1119255.96	2411041.82	408.50	408.4	411.75	42.85	378.70	368.70	10	11/21/2009
GWC-5	Downgradient	Overburden	1118897.72	2411025.88	393.37	393.3	396.69	38.22	372.84	362.84	10	10/22/2009
GWC-6	Downgradient	Bedrock	1118575.69	2410872.56	412.48	412.4	415.80	47.92	377.52	367.52	10	10/21/2009
GWC-7	Downgradient	Overburden	1118243.67	2410645.91	414.51	414.4	418.27	58.36	369.84	359.84	10	10/20/2009
GWC-8A	Downgradient	Overburden	1117917.32	2410375.16	398.65	398.6	401.62	48.02	364.30	354.30	10	3/29/2017
GWC-9	Downgradient	Overburden	1117955.40	2410167.75	383.21	382.8	386.18	19.87	376.02	366.02	10	11/4/2009
GWC-10	Downgradient	Overburden	1118306.77	2410018.28	389.49	388.9	392.87	39.48	367.50	357.50	10	11/3/2009
GWC-11	Downgradient	Overburden	1118648.98	2409778.84	399.21	398.8	402.33	33.52	377.81	367.81	10	11/3/2009
GWC-12	Downgradient	Overburden	1118977.87	2409554.57	409.66	409.2	412.89	37.23	384.94	374.94	10	11/3/2009
GWC-13	Downgradient	Overburden	1119338.68	2409390.95	416.71	416.5	419.77	42.76	386.52	376.52	10	11/2/2009
GWC-14	Downgradient	Overburden	1119655.05	2409111.75	400.41	400.2	403.60	28.43	386.09	376.09	10	11/4/2009
GWA-15	Upgradient	Overburden	1120009.40	2409282.43	412.00	411.7	415.01	28.31	395.51	385.51	10	11/4/2009
GWA-16	Upgradient	Overburden	1120248.68	2409579.75	441.01	440.9	444.24	58.33	396.71	386.71	10	10/13/2009
GWA-17	Upgradient	Overburden	1120210.57	2409946.73	442.92	442.8	445.84	46.32	409.27	399.27	10	9/28/2009
GWC-18	Downgradient	Overburden	1119998.73	2410261.85	436.40	436.3	439.66	62.86	389.49	379.49	10	9/29/2009
GWC-19	Downgradient	Overburden	1119645.70	2410713.20	426.34	426.3	430.20	73.90	382.45	372.45	10	10/2/2009
GWC-20	Downgradient	Overburden	1119950.51	2411195.38	423.03	423.0	426.30	72.93	363.85	353.85	10	10/6/2009

TABLE 1
SUMMARY OF MONITORING WELL CONSTRUCTION DATA
Georgia Power - Plant Scherer
Juliette, GA

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing[1]	NAD 83 Easting[1]	Ground Surface Elevation at Concrete Pad (feet NAVD88)	Ground Surface Elevation (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Well Depth (ft BTOC)[2]	Top of Screen Elevation (feet NAVD88)[2]	Bottom of Screen Elevation (feet NAVD88)[2]	Screen Length (feet)	Date of Installation
PAC ASH CELL												
GWA-21	Upgradient	Overburden	1120675.73	2409462.70	419.81	419.7	422.58	19.88	412.04	402.04	10	6/29/2010
GWA-22	Upgradient	Overburden/Bedrock	1120962.12	2409473.22	442.01	442.0	444.50	42.49	412.29	402.29	10	6/30/2010
GWC-29	Downgradient	Overburden	1119875.58	2408717.95	396.98	396.9	399.64	27.12	382.78	372.78	10	6/28/2010
GWA-45	Upgradient	Overburden	1120669.03	2407889.56	448.33	448.3	451.08	35.81	425.99	415.99	10	6/23/2010
GWA-46	Upgradient	Overburden	1120783.23	2408235.69	458.37	458.3	461.13	46.31	424.38	414.38	10	6/23/2010
GWA-47	Upgradient	Overburden	1120862.63	2408585.01	463.03*	462.9	465.77	57.87	421.74	411.74	10	6/22/2010
GWA-48	Upgradient	Overburden	1120953.42	2408939.48	459.00	458.8	461.73	74.89	407.74	397.74	10	6/22/2010
GWA-49	Upgradient	Overburden	1121030.08	2409288.38	430.16	429.9	432.88	40.02	401.81	391.81	10	6/21/2010
GWC-50	Downgradient	Overburden	1119917.51	2408956.10	404.44	404.3	407.16	37.82	380.88	370.88	10	6/28/2010
GWC-51	Downgradient	Overburden	1119835.51	2408436.95	407.37	407.3	410.15	29.87	393.78	383.78	10	7/27/2010
GWC-52	Downgradient	Overburden	1119972.34	2408203.99	414.43	414.4	417.13	32.75	394.53	384.53	10	6/24/2010
GWC-53	Downgradient	Overburden	1120319.65	2407943.05	433.10	432.9	435.83	30.93	412.84	402.84	10	6/23/2010

TABLE 1
SUMMARY OF MONITORING WELL CONSTRUCTION DATA
Georgia Power - Plant Scherer
Juliette, GA

Well ID	Hydraulic Location	Screened Matrix	NAD 83 Northing[1]	NAD 83 Easting[1]	Ground Surface Elevation at Concrete Pad (feet NAVD88)	Ground Surface Elevation (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Well Depth (ft BTOC)[2]	Top of Screen Elevation (feet NAVD88)[2]	Bottom of Screen Elevation (feet NAVD88)[2]	Screen Length (feet)	Date of Installation
CELL 3												
GWC-30	Downgradient	Overburden/Bedrock	1119366.69	2408976.35	392.19	392.0	394.49	21.5	384.04	374.04	10	1/24/2020
GWC-31	Downgradient	Overburden	1118970.00	2409062.02	390.13	390.0	392.78	21.8	380.68	370.68	10	1/23/2020
GWC-32	Downgradient	Overburden	1118749.53	2409084.83	407.25	406.9	410.03	38.1	381.95	371.95	10	1/21/2020
GWC-33A	Downgradient	Overburden	1118458.68	2409359.58	391.32	390.9	393.96	27.1	376.87	366.87	10	1/25/2020
GWC-34	Downgradient	Overburden	1118248.26	2409680.41	386.48	386.2	389.29	22.1	377.23	367.23	10	1/13/2020
GWC-35	Downgradient	Overburden	1117860.46	2409906.21	385.35	385.1	387.90	22.8	375.10	365.10	10	1/12/2020
GWC-36	Downgradient	Overburden	1117561.29	2409681.44	422.52	422.0	425.12	48.5	386.62	376.62	10	1/10/2020
GWC-37	Downgradient	Overburden	1117239.70	2409636.56	427.38	427.2	429.80	44.6	395.23	385.23	10	1/8/2020
GWC-38	Downgradient	Overburden	1116786.45	2409533.11	416.23	416.0	418.68	41.7	386.98	376.98	10	1/7/2020
GWA-39	Upgradient	Bedrock	1116967.57	2408671.68	454.59	454.2	457.62	62.4	405.24	395.24	10	12/20/2019
GWA-40	Upgradient	Overburden	1117365.24	2408730.04	461.25	461.2	463.84	47.5	427.15	417.15	10	12/18/2020
GWA-41	Upgradient	Overburden	1118096.97	2408412.15	431.70	431.4	434.12	46.7	403.75	393.75	10	1/26/2020
GWA-42	Upgradient	Overburden	1118500.68	2408233.53	402.57	402.2	405.19	21.8	393.37	383.37	10	1/27/2020
GWA-43	Upgradient	Overburden	1118861.38	2408484.42	398.42	398.1	400.94	21.8	389.12	379.12	10	1/26/2020
GWA-44A	Upgradient	Overburden	1119296.99	2408569.76	396.83	396.5	399.62	23.9	386.58	376.58	10	1/27/2020
GWA-54	Upgradient	Bedrock	1117751.40	2408588.52	448.78	448.6	451.49	51.7	409.83	399.83	10	12/21/2020

Notes:

ft = feet; feet bgs = feet below ground surface; ft BTOC = feet below top of casing; Kh = horizontal hydraulic conductivity; Kv = vertical hydraulic conductivity

(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) Survey data provided by Jordan Engineering, Inc., July 2020.

(5) - = 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	August 2021	
Purpose of Sampling Event		Annual Appendix IV Scan	Detection / Assessment	Detection / Assessment	
ASH POND (AP-1)					
SGWA-1	Upgradient	X	X	X	Assessment
SGWA-2	Upgradient	X	X	X	Assessment
SGWA-3	Upgradient	X	X	X	Assessment
SGWA-4	Upgradient	X	X	X	Assessment
SGWA-5	Upgradient	X	X	X	Assessment
SGWC-6	Downgradient	X	X	X	Assessment
SGWC-7	Downgradient	X	X	X	Assessment
SGWC-8	Downgradient	X	X	X	Assessment
SGWC-9	Downgradient	X	X	X	Assessment
SGWC-10	Downgradient	X	X	X	Assessment
SGWC-11	Downgradient	X	X	X	Assessment
SGWC-12	Downgradient	X	X	X	Assessment
SGWC-13	Downgradient	X	X	X	Assessment
SGWC-14	Downgradient	X	X	X	Assessment
SGWC-15	Downgradient	X	X	X	Assessment
SGWC-16	Downgradient	X	X	X	Assessment
SGWC-17	Downgradient	X	X	X	Assessment
SGWC-18	Downgradient	X	X	X	Assessment
SGWC-19	Downgradient	X	X	X	Assessment
SGWC-20	Downgradient	X	X	X	Assessment
SGWC-21	Downgradient	X	X	X	Assessment
SGWC-22	Downgradient	X	X	X	Assessment
SGWC-23	Downgradient	X	X	X	Assessment
SGWA-24	Upgradient	X	X	X	Assessment
SGWA-25	Upgradient	X	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	8/16/2021
ASH POND				
SGWA-1	546.83	508.35	509.83	506.87
SGWA-2	546.94	508.94	510.62	506.83
SGWA-3	545.83	513.35	515.17	512.48
SGWA-4	547.66	500.23	500.42	501.84
SGWA-5	508.48	493.98	494.88	493.03
SGWC-6	510.49	497.15	497.74	497.58
SGWC-7	506.40	493.59	494.16	494.17
SGWC-8	514.28	493.22	493.63	493.10
SGWC-9	510.62	490.16	490.62	489.25
SGWC-10	509.41	491.67	491.96	490.24
SGWC-11	511.47	492.38	492.63	490.85
SGWC-12	500.53	485.18	485.31	483.69
SGWC-13	482.71	478.56	478.40	477.80
SGWC-14	476.72	466.41	466.37	465.99
SGWC-15	482.75	455.05	455.64	453.46
SGWC-16	460.31	436.11	437.11	434.57
SGWC-17	418.00	416.87	417.70	416.45
SGWC-18	513.29	BTOP	BTOP	BTOP
SGWC-19	478.94	463.34	463.76	462.39
SGWC-20	504.60	491.05	491.55	489.81
SGWC-21	487.67	486.92	487.57	486.07
SGWC-22	518.02	492.27	493.04	490.47
SGWC-23	523.10	492.59	493.37	492.00
SGWA-24	492.38	478.57	479.08	477.15
SGWA-25	526.49	500.74	501.39	499.53
PIEZOMETERS				
PZ-2I	517.56	491.60	492.54	489.92
PZ-3S	517.29	489.47	490.36	488.50
PZ-5I	523.26	487.13	487.32	486.46
PZ-6S	531.54	494.89	496.12	NM

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	8/16/2021
PIEZOMETERS - continued				
PZ-9I	526.57	501.03	501.86	499.99
PZ-10S	517.53	496.39	497.18	496.90
PZ-11S	529.31	492.12	492.49	492.30
PZ-12S	517.69	488.72	489.07	488.07
PZ-13S	520.51	490.10	490.71	488.96
PZ-14S	512.13	487.69	488.46	486.17
PZ-14I	512.89	487.68	488.47	486.23
PZ-15S	500.60	481.88	481.69	481.05
PZ-17I	483.03	455.33	456.22	453.81
PZ-19I	417.76	414.46	415.39	413.77
PZ-19S	417.80	413.86	414.95	413.19
PZ-20I	417.41	414.81	415.01	414.43
PZ-21S	473.74	464.32	464.97	463.08
PZ-25S	528.24	489.63	500.59	488.35
PZ-25I	528.39	489.50	490.53	488.11
PZ-26S	491.65	475.73	476.25	474.56
PZ-27S	475.80	471.21	472.21	469.79
PZ-27D	475.43	474.20	474.93	472.92
PZ-28I	484.18	466.63	467.16	465.18
PZ-29S	491.31	461.42	461.75	460.32
PZ-30I	478.31	449.07	450.12	448.01
PZ-31I	466.89	438.12	439.37	437.07
PZ-32S	465.06	440.10	441.36	439.05
PZ-32D	465.42	438.03	439.17	435.45
PZ-33I	469.38	425.62	427.87	426.32
PZ-34S	443.67	426.43	427.81	423.79
PZ-35I	474.40	470.99	472.07	469.71
PZ-36S	482.35	449.54	451.15	446.83
PZ-36I	481.52	451.57	452.92	449.11
PZ-37I	482.18	434.19	434.03	434.00

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	8/16/2021
PIEZOMETERS - continued				
PZ-38I	482.24	467.28	467.89	466.72
PZ-39S	474.58	440.70	442.48	438.18
PZ-40I	512.55	474.11	474.55	472.87
PZ-41S	491.50	461.84	461.69	460.90
PZ-42I	503.18	492.75	493.38	491.81
PZ-43S	504.03	481.24	481.73	479.08
PZ-44I	510.36	491.84	492.31	490.30
PZ-45D	512.33	486.61	488.77	485.22
PZ-46D	450.28	439.41	440.06	437.77
PZ-47D	410.01	400.37	400.75	400.27
PZ-48S	444.33	410.93	411.73	410.43
PZ-49S	367.89	361.21	361.74	359.45
PZ-49D	367.41	362.37	362.96	360.72
PZ-50D	478.01	450.26	451.01	451.43
PZ-51D	546.04	508.58	510.21	506.56
PZ-52	521.84	488.10	488.59	487.53
PZ-53	516.64	487.36	488.35	486.12
PZ-54	492.96	462.35	462.97	461.13
PZ-55	447.21	423.06	424.31	422.19
PZ-56	433.68	393.74	394.10	393.58
PZ-57	439.51	405.60	405.84	404.88
PZ-58	492.21	450.66	450.53	449.71
PZ-59S	385.93	382.00	382.33	380.32
PZ-59D	385.86	381.69	382.06	380.17
PZ-60S	389.88	381.71	383.04	380.72
PZ-60D	389.34	384.19	385.39	383.09
PZ-61	439.27	420.84	421.67	419.78
PZ-62	501.32	461.65	462.25	461.46
PZ-63	501.54	483.06	483.32	482.46

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	8/16/2021
PIEZOMETERS - continued				
PZ-64	479.52	433.71	433.67	433.19
PZ-65	432.42	416.31	416.92	415.48
PZ-66	421.24	386.76	387.47	386.12
PZ-66D	427.60	380.33	380.85	379.19
PZ-67	425.94	401.42	402.14	401.31
PZ-67D	428.48	385.87	386.86	379.33
PZ-68	395.55	388.77	389.11	387.59
LPZ-01	553.29	496.78	496.64	496.71
LPZ-02	514.52	511.92	512.40	511.22
LPZ-03	515.45	507.22	508.70	506.04
LPZ-04	461.24	447.59	448.59	446.46
LPZ-05	524.51	479.01	479.05	478.69

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	8/16/2021
CELL 1				
GWC-1	374.95	367.60	368.36	364.94
GWC-2	380.22	368.52	369.36	365.97
GWC-3	410.44	373.35	372.82	372.47
GWC-4	411.75	380.25	380.65	379.40
GWC-5	396.69	377.86	378.76	376.38
GWC-6	415.80	377.88	378.72	377.36
GWC-7	418.27	376.40	376.71	375.72
GWC-8A	401.62	379.27	379.81	378.57
GWC-9	386.18	379.53	380.11	378.85
GWC-10	392.87	383.12	383.57	381.61
GWC-11	402.33	385.73	386.15	383.64
GWC-12	412.89	389.19	390.07	387.08
GWC-13	419.77	391.02	391.66	389.17
GWC-14	403.60	391.75	392.74	390.54
GWA-15	415.01	404.98	405.80	403.12
GWA-16	444.24	413.32	414.05	411.57
GWA-17	445.84	416.34	417.24	416.82
GWC-18	439.66	406.66	407.09	406.90
GWC-19	430.20	394.20	394.98	393.54
GWC-20	426.30	382.65	383.18	382.32

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	8/16/2021
PAC ASH CELL				
GWA-21	422.58	419.36	420.09	417.18
GWA-22	444.50	422.30	423.54	419.85
GWC-29	399.64	394.15	394.33	394.04
GWA-45	451.08	436.98	438.89	435.99
GWA-46	461.13	430.13	430.63	429.06
GWA-47	465.77	427.49	427.57	427.25
GWA-48	461.73	425.73	426.02	425.13
GWA-49	432.88	423.78	425.73	421.30
GWC-50	407.16	399.01	399.65	398.42
GWC-51	410.15	401.90	402.10	401.57
GWC-52	417.13	408.11	408.01	407.14
GWC-53	435.83	426.03	426.70	425.05

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	8/16/2021
CELL 3				
GWA-39	457.62	431.22	432.40	429.51
GWA-40	463.84	431.49	432.66	430.44
GWA-41	434.12	424.42	425.33	423.27
GWA-42	405.19	400.49	400.91	399.83
GWA-43	400.94	397.19	397.71	396.47
GWA-44A	399.62	396.12	396.24	395.46
GWA-54	451.49	427.72	428.35	426.70
GWC-30	394.49	389.09	389.89	386.98
GWC-31	392.78	387.58	387.91	385.52
GWC-32	410.03	386.82	387.26	385.44
GWC-33A	393.96	384.06	384.65	383.51
GWC-34	389.29	381.99	382.20	381.43
GWC-35	387.90	382.90	383.62	382.20
GWC-36	425.12	393.12	394.41	392.31
GWC-37	429.80	405.58	406.08	405.56
GWC-38	418.68	407.18	408.37	406.06

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)	Δ H (feet)[2]	Δ L (feet)[3]	Hydraulic Gradient (Δ h/Δ l)	Average Hydraulic Conductivity, K (feet per day)[5]	Assumed Effective Porosity (n_e)	Average Linear Groundwater Velocity	
							(feet per day)[4]	(feet per year)[4]
AP-1 February 2021								
SGWC-14/PZ-29S	466.41 461.42	4.98	400	0.012	1.31 to 2.36	0.2	0.08 to 0.15	30 to 54
SGWC-13/PZ-35I	478.56 470.99	7.57	400	0.019	1.31 to 2.36	0.2	0.12 to 0.22	45 to 82
SGWC-20/PZ-43S	491.05 481.24	9.81	400	0.025	1.31 to 2.36	0.2	0.16 to 0.29	59 to 106

2. Δ L = Distance along flow path
3. I = Δ H / Δ 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)	Δ H (feet)[2]	Δ L (feet)[3]	Hydraulic Gradient (Δ h/Δ l)	Average Hydraulic Conductivity, K (feet per day)[5]	Assumed Effective Porosity (n_e)	Average Linear Groundwater Velocity	
							(feet per day)[4]	(feet per year)[4]
AP-1 March 2021								
SGWC-14/PZ-29S	466.37 461.75	4.61	400	0.012	1.31 to 2.36	0.2	0.08 to 0.14	28 to 50
SGWC-13/PZ-35I	478.40 472.07	6.33	400	0.016	1.31 to 2.36	0.2	0.10 to 0.19	38 to 68
SGWC-20/PZ-43S	491.55 481.73	9.82	400	0.025	1.31 to 2.36	0.2	0.16 to 0.29	59 to 106

Notes:

1. Δ H = Change in groundwater elevation
2. Δ L = Distance along flow path
3. I = Δ H / Δ 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 4C
HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS
Ash Pond 1 - August 2021
Georgia Power - Plant Scherer
Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	Δ H (feet)[2]	Δ L (feet)[3]	Hydraulic Gradient (Δ h/Δ l)	Average Hydraulic Conductivity, K (feet per day)[5]	Assumed Effective Porosity (n_e)	Average Linear Groundwater Velocity	
							(feet per day)[4]	(feet per year)[4]
AP-1 August 2021								
SGWC-14/PZ-29S	465.99 460.32	5.67	400	0.014	1.31 to 2.36	0.2	0.09 to 0.17	34 to 61
SGWC-13/PZ-35I	477.80 469.71	8.09	400	0.020	1.31 to 2.36	0.2	0.13 to 0.24	48 to 87
SGWC-20/PZ-43S	489.81 479.08	10.73	400	0.027	1.31 to 2.36	0.2	0.18 to 0.32	64 to 116

Notes:

1. Δ H = Change in groundwater elevation
2. Δ L = Distance along flow path
3. I = Δ H / Δ 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		GROUNDWATER MONITORING WELLS														
		MCL	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
		ple 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	2/9/2021
Appendix III																	
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Appendix IV																	
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
Appendix III											
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	--	--	--	--	--	--	--	--	--	--
Appendix IV											
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
Appendix III																
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	6.0	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
Appendix IV																
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	0.00023 J	0.00042 J	0.00021 J	< 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 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
Appendix III											
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
Appendix IV											
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 5C
ANALYTICAL DATA SUMMARY
Ash Pond 1- August 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
		8/17/2021	8/17/2021	8/18/2021	8/17/2021	8/18/2021	8/18/2021	8/17/2021	8/18/2021	8/18/2021	8/18/2021	8/19/2021	8/19/2021	8/19/2021	8/20/2021	8/19/2021
Appendix III																
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.047 J	0.14	1.5	0.091	0.54	0.043 J	0.59
CALCIUM, TOTAL	mg/L	1.8	12	5.9	18	1.7	14	9.6	11	22	49	34	0.67	1.9	23	20
CHLORIDE, TOTAL	mg/L	1.9	1.6	2.4	1.6	2.2	2.7	2.6	2.5	5.0	14	18	9.3	9.9	9.9	12
FLUORIDE, TOTAL	mg/L	0.052 J	0.096 J	0.066 J	0.093 J	0.070 J	0.16	0.079 J	0.19	0.31	0.48	0.078 J	< 0.026	< 0.026	0.082 J	< 0.026
pH	S.U.	5.26	6.84	5.85	6.41	5.51	6.45	6.08	6.33	6.61	6.48	6.22	5.21	5.23	6.13	5.99
SULFATE, TOTAL	mg/L	< 0.76	< 0.76	0.90 J	1.1	< 0.76	1.0	< 0.76	< 0.76	12	78	160	2.2	< 0.76	60	82
TOTAL DISSOLVED SOLIDS	mg/L	27	110	66	130	53	120	97	140	210	410	380	54	36	220	210
Appendix IV																
ANTIMONY, TOTAL	mg/L	< 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	< 0.00031	< 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	0.047	0.038	0.036	0.066	0.011	0.025	0.027	0.13	0.24	0.16	0.043	0.025	0.045	0.057	0.036
BERYLLIUM, TOTAL	mg/L	0.00029 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 J	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.013	0.020	0.0053	< 0.0015	0.0056	0.0047	< 0.0015	0.0026	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	0.00072 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00057 J	0.0011 J	0.00024 J	0.0021 J	0.00021 J	0.00072 J	0.022	0.014	0.0019 J	0.0021 J
FLUORIDE, TOTAL	mg/L	0.052 J	0.096 J	0.066 J	0.093 J	0.070 J	0.16	0.079 J	0.19	0.31	0.48	0.078 J	< 0.026	< 0.026	0.082 J	< 0.026
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00030 J	0.00023 J	< 0.00013	< 0.00013	< 0.00013	< 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	0.0034 J	< 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	0.0016 J	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	0.651	0.192 U	0.228 U	1.54	0.242 U	0.160 U	0.228 U	-0.0332 U	0.726	1.68	0.145 U	0.102 U	0.755	0.0109 U	0.228 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	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00030 J	< 0.00015	< 0.00015	0.00017 J	< 0.00015	< 0.00015	0.00040 J	0.00024 J	0.00015 J	< 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 5C
ANALYTICAL DATA SUMMARY
Ash Pond 1- August 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
		8/19/2021	8/19/2021	8/19/2021	8/18/2021	8/18/2021	8/19/2021	8/19/2021	8/18/2021	8/18/2021	8/18/2021
Appendix III											
BORON, TOTAL	mg/L	1.7	1.6	0.72	0.32	6.6	2.1	1.9	1.1	0.44	0.42
CALCIUM, TOTAL	mg/L	40	17	1.1	55	55	45	12	39	30	21
CHLORIDE, TOTAL	mg/L	11	11	9.5	8.9	15	9.4	10	13	11	11
FLUORIDE, TOTAL	mg/L	< 0.026	0.12	0.038 J	0.087 J	0.099 J	< 0.026	0.17	0.12	0.054 J	0.11
pH	S.U.	5.86	4.63	5.28	6.26	4.83	5.61	4.28	6.26	5.76	6.01
SULFATE, TOTAL	mg/L	190	200	38	200	940	280	230	130	110	66
TOTAL DISSOLVED SOLIDS	mg/L	370	320	100	450	1400	440	340	380	260	210
Appendix IV											
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	0.0014	< 0.00031	< 0.00031	0.0028	< 0.00031	0.00066 J	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.042	0.027	0.029	0.024	0.022	0.027	0.020	0.12	0.074	0.056
BERYLLIUM, TOTAL	mg/L	< 0.00018	0.00033 J	< 0.00018	< 0.00018	0.00035 J	< 0.00018	0.00091 J	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	0.00026 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.032	0.011	0.012	0.019	0.014	< 0.0015	0.0022	< 0.0015	0.0019 J
COBALT, TOTAL	mg/L	0.0047	0.27	0.0051	0.00043 J	0.095	< 0.00013	0.20	0.00016 J	0.0010 J	< 0.00013
FLUORIDE, TOTAL	mg/L	< 0.026	0.12	0.038 J	0.087 J	0.099 J	< 0.026	0.17	0.12	0.054 J	0.11
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00071 J	< 0.00013	0.00034 J	0.00041 J	< 0.00013	< 0.00013
LITHIUM, TOTAL	mg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	0.0047 J	< 0.0034	0.0046 J	< 0.0034	< 0.0034	< 0.0034
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00017 J	0.00022	< 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	-0.0806 U	0.518	0.0370 U	0.130 U	0.277 U	-0.0514 U	-0.210 U	0.505	0.0260 U	0.603
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0020 J	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00022 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 5D
ANALYTICAL DATA SUMMARY
Piezometers - March-April 2021
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS							
		PZ-13S	PZ-14I	PZ-14S	PZ-25S	PZ-39S	PZ-41S	PZ-43S	PZ-44I
		4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/5/2021	4/7/2021	4/7/2021
PARAMETER									
BORON, TOTAL	mg/L	--	--	--	--	--	3.20	--	--
COBALT, TOTAL	mg/L	0.0070	0.00023 J	0.00019 J	0.012	0.00030 J	0.0012 J	0.00097 J	--
LITHIUM, TOTAL	mg/L	--	< 0.0034	< 0.0034	--	--	--	--	0.020
pH	S.U.	5.03	6.42	5.38	5.56	6.62	5.96	6.28	7.04

NOTES:

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. 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.
4. -- indicates parameter was not collected during this event.

TABLE 5E
ANALYTICAL DATA SUMMARY
Piezometers - August 2021
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS							
		PZ-13S	PZ-14I	PZ-14S	PZ-25S	PZ-39S	PZ-41S	PZ-43S	PZ-44I
		8/20/2021	8/18/2021	8/18/2021	8/19/2021	8/19/2021	8/19/2021	8/18/2021	8/18/2021
PARAMETER									
BORON, TOTAL	mg/L	--	--	--	--	--	2.2	--	--
COBALT, TOTAL	mg/L	0.0060	0.00016 J	0.00030 J	0.022	0.00028 J	0.0013 J	0.00025 J	--
LITHIUM, TOTAL	mg/L	--	< 0.0034	< 0.0034	--	--	--	--	0.0095
pH	S.U.	5.13	6.45	5.40	5.01	6.68	5.91	6.35	6.50

NOTES:

1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. 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.
4. -- indicates parameter was not collected during this event.

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[1]	Site Specific Background August 2021[1]	Federal GWPS[2]	State GWPS[3]
Antimony	mg/L	0.006	--	0.0021	0.0021	0.006	0.006
Arsenic	mg/L	0.01	--	0.0015	0.0015	0.01	0.01
Barium	mg/L	2	--	0.071	0.071	2	2
Beryllium	mg/L	0.004	--	0.0025	0.0025[4]	0.004	0.004
Cadmium	mg/L	0.005	--	0.0025	0.0025[4]	0.005	0.005
Chromium	mg/L	0.1	--	0.021	0.021	0.1	0.1
Cobalt	mg/L	NA	0.006	0.02	0.02	0.02	0.02
Fluoride	mg/L	4	--	0.11	0.16	4	4
Lead	mg/L	NA	0.015	0.001[4]	0.001[4]	0.015	0.001
Lithium	mg/L	NA	0.04	0.005[4]	0.005	0.04	0.005
Mercury	mg/L	0.002	--	0.0005	0.0005	0.002	0.002
Molybdenum	mg/L	NA	0.1	0.015	0.015[4]	0.1	0.015
Radium (226 + 228)	pCi/L	5	--	1.2	1.54	5	5
Selenium	mg/L	0.05	--	0.005	0.005	0.05	0.05
Thallium	mg/L	0.002	--	0.001	0.001[4]	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.

FIGURES

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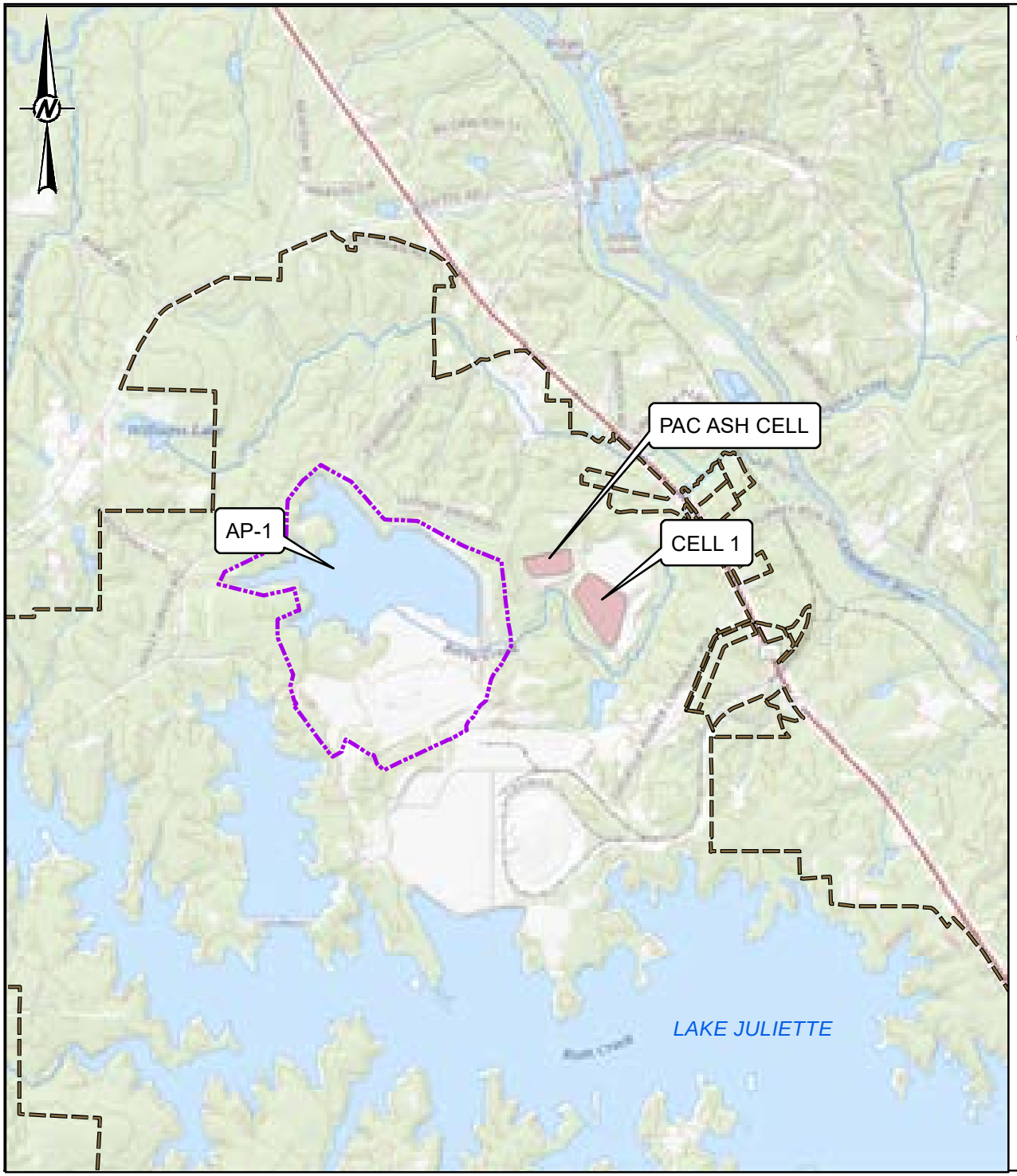

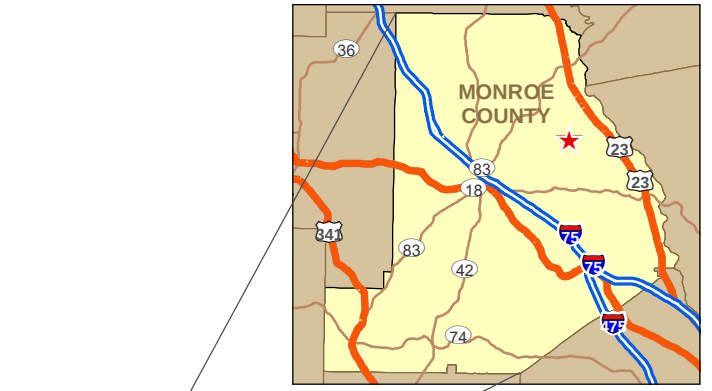

LEGEND

PROPERTY BOUNDARY

AP-1 PERMIT BOUNDARY

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

0 4000 8000

Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

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

TITLE
SITE LOCATION MAP

CONSULTANT
GOLDER
MEMBER OF WSP

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

PROJECT No.	CONTROL	Rev.	FIGURE
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- MONITORING WELL LOCATION
- ASSESSMENT 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.

1200 600 0 1200
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

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

TITLE
SITE PLAN AND MONITORING WELL LOCATION MAP

CONSULTANT
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2021-11-30
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No.	CONTROL	Rev.	FIGURE
166235021	1662350AI001-GIS.mxd	0	2

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

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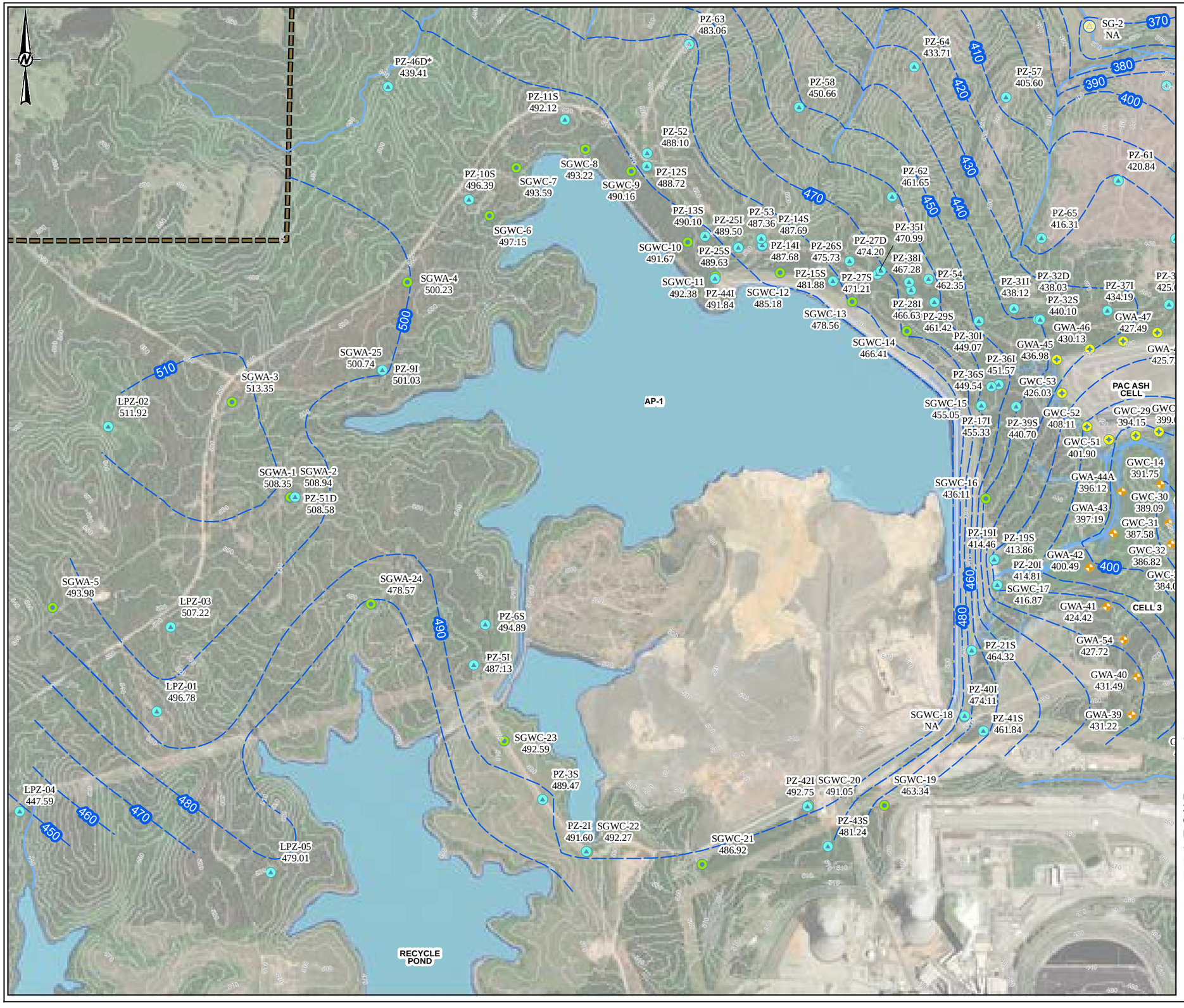

LEGEND

- 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.

1000 500 0 1000
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

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

TITLE
POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP FEBRUARY 8, 2021

CONSULTANT
GOLDER
MEMBER OF WSP

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

PROJECT No.	CONTROL	Rev.	FIGURE
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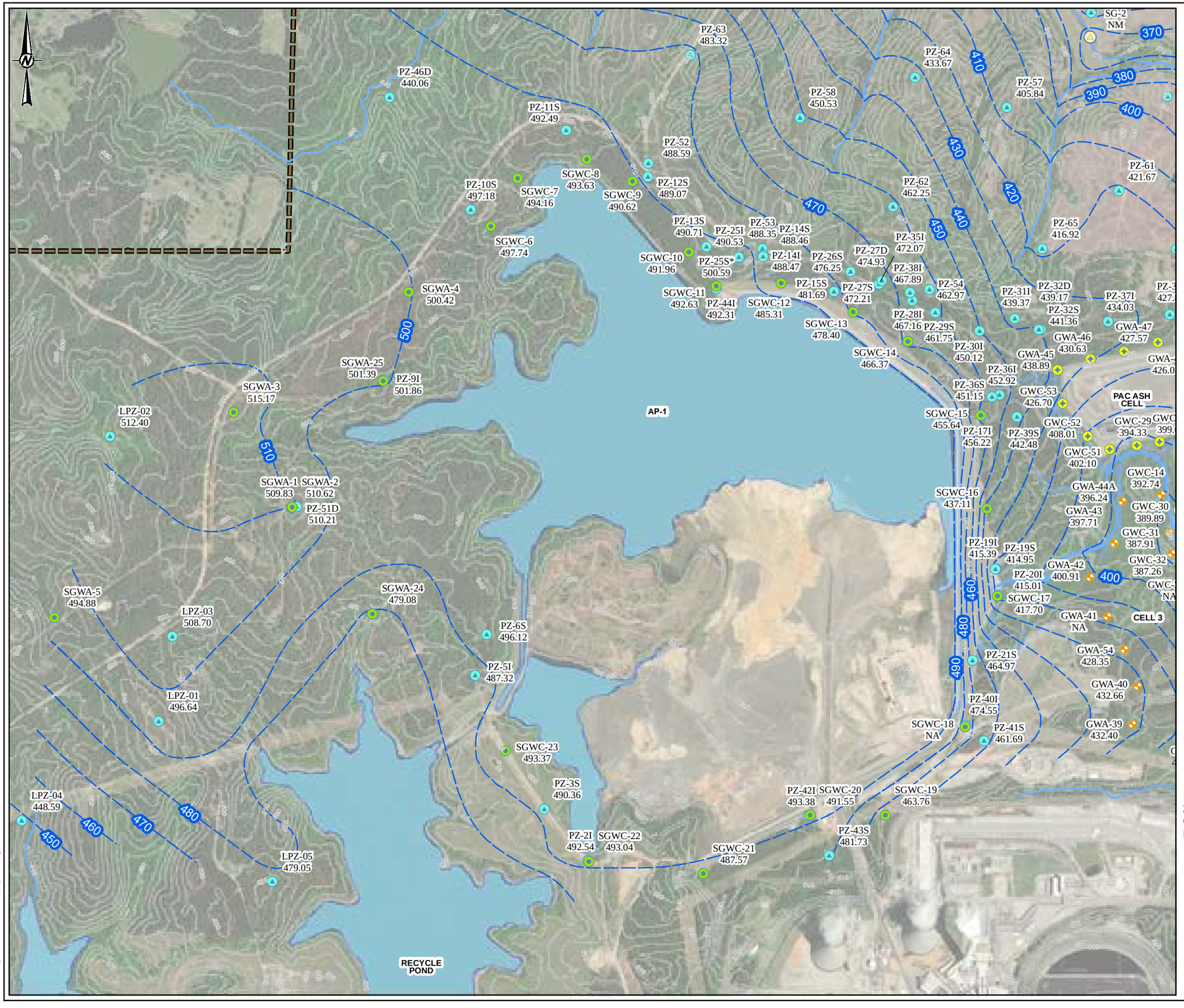


LEGEND

- 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.

1000 500 0 1000
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

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

TITLE
POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP MARCH 29, 2021

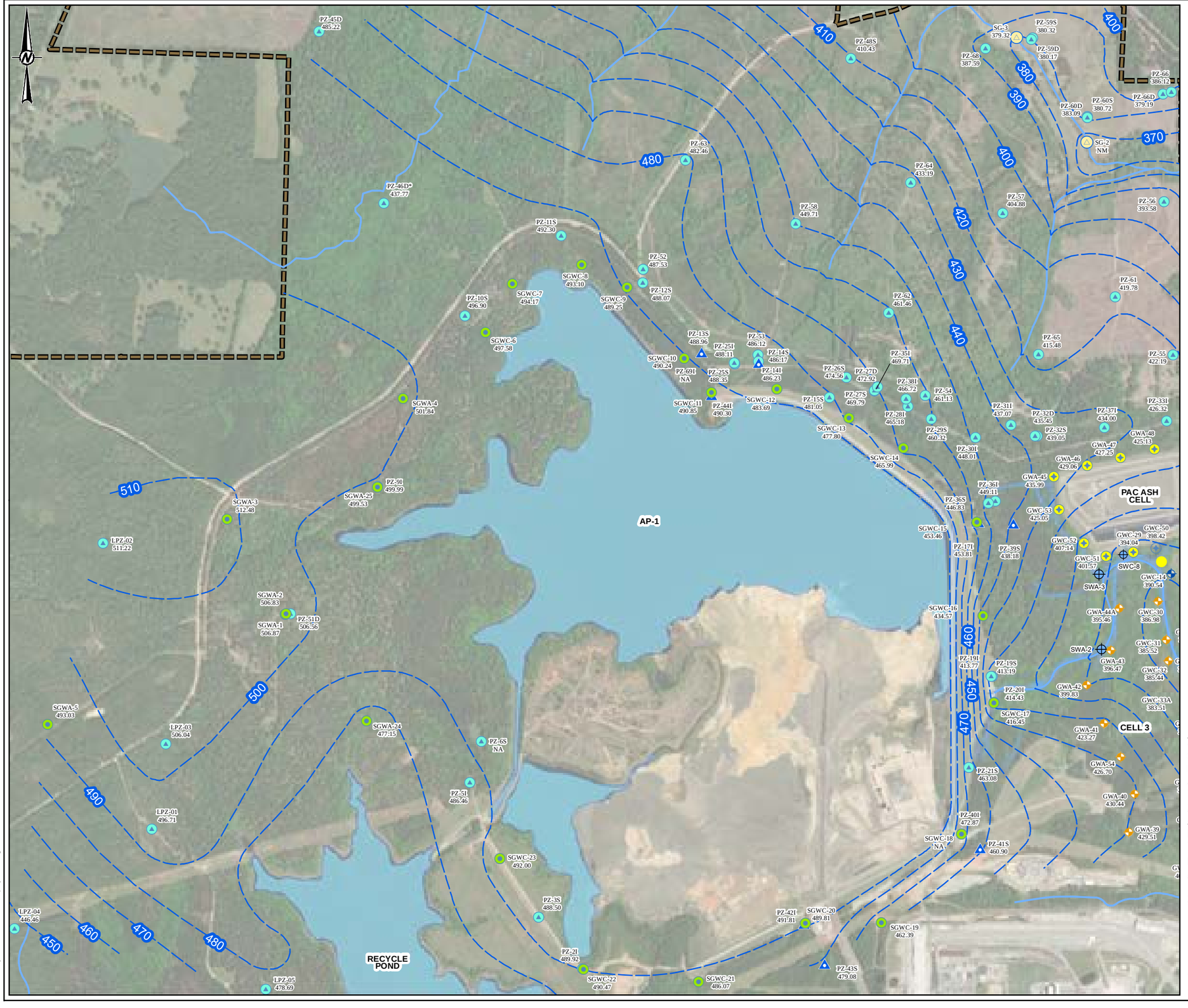
CONSULTANT
GOLDER
MEMBER OF WSP

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

PROJECT No. 166235021 | CONTROL 166235021AB005-GIS.mxd | Rev. 0 | FIGURE **3B**

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

Path: H:\16x-Projects\166235O-Southern Company Services\figures\AB-GW CONTOUR MAPS MAR 2021\166235021AB005-GIS.mxd



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
- ASSESSMENT WELL 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 PZ-69I, 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 AUGUST 16, 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.

1000 500 0 1000
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

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

TITLE
POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP
AUGUST 16, 2021

CONSULTANT
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2021-11-30
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No.	CONTROL	Rev.	FIGURE
166235021	1662350AI002-GIS.mxd	0	3C

Path: H:\16x-Projects\166235O-Southern Company Services\Figures\4x1-2021 GW MONITORING AND CORRECTIVE ACTION REPORT\1662350AI002-GIS.mxd

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

APPENDIX A

FIELD DATA FORMS AND INSTRUMENT CALIBRATION FORMS

APPENDIX A

Field Data Forms
February 2021

Product Name: Low-Flow System

Date: 2021-02-09 10:07:42

Project Information:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	44.60 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.60 ft

Well Information:		Pumping Information:	
Well ID	SGWA-1	Final Pumping Rate	225 mL/min
Well diameter	2 in	Total System Volume	0.6840687 L
Well Total Depth	53.40 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.88 in
Depth to Water	38.56 ft	Total Volume Pumped	5.63 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	91.05 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	91.05 ft

Well Information:		Pumping Information:	
Well ID	SGWA-2	Final Pumping Rate	225 mL/min
Well diameter	2 in	Total System Volume	0.8913947 L
Well Total Depth	98.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	20.28 in
Depth to Water	38.09 ft	Total Volume Pumped	5.63 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	44.7 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.7 ft

Well Information:		Pumping Information:	
Well ID	SGWA-3	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	52.80 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	58.8 in
Depth to Water	32.40 ft	Total Volume Pumped	3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	54.8 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	54.8 ft

Well Information:		Pumping Information:	
Well ID	SGWA-4	Final Pumping Rate	125 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	63.20 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	31.8 in
Depth to Water	47.35 ft	Total Volume Pumped	3.13 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	24.36 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	24.36 ft

Well Information:		Pumping Information:	
Well ID	SGWA-5	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	33.1 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	6.84 in
Depth to Water	14.48 ft	Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	19.21 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	19.21 ft

Well Information:		Pumping Information:	
Well ID	SGWC-6	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.5707424 L
Well Total Depth	27.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	19.32 in
Depth to Water	13.32 ft	Total Volume Pumped	4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	29.75 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	29.75 ft

Well Information:		Pumping Information:	
Well ID	SGWC-7	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	37.70 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1.2 in
Depth to Water	12.62 ft	Total Volume Pumped	7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	34.2 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.2 ft

Well Information:		Pumping Information:	
Well ID	SGWC-8	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.6376491 L
Well Total Depth	42.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3.96 in
Depth to Water	20.94 ft	Total Volume Pumped	7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	29.4 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	29.4 ft

Well Information:		Pumping Information:	
Well ID	SGWC-9	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.6162246 L
Well Total Depth	37.8 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12.6 in
Depth to Water	20.45 ft	Total Volume Pumped	6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	24.2 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	24.2 ft

Well Information:		Pumping Information:	
Well ID	SGWC-10	Final Pumping Rate	225 mL/min
Well diameter	2 in	Total System Volume	0.5930148 L
Well Total Depth	32.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	26.04 in
Depth to Water	17.75 ft	Total Volume Pumped	6.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	34.3 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.3 ft

Well Information:		Pumping Information:	
Well ID	SGWC-11	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.6380954 L
Well Total Depth	42.7 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	44.64 in
Depth to Water	19.16 ft	Total Volume Pumped	6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	41.87 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	41.87 ft

Well Information:		Pumping Information:	
Well ID	SGWC-12	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.6718835 L
Well Total Depth	50.20 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	42.48 in
Depth to Water	15.41 ft	Total Volume Pumped	6.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	29 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	SGWC-13	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	37.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	24.6 in
Depth to Water	4.15 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	30.24 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	30.24 ft

Well Information:		Pumping Information:	
Well ID	SGWC-14	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	38.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1.2 in
Depth to Water	10.35 ft	Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	39.65 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	39.65 ft

Well Information:		Pumping Information:	
Well ID	SGWC-15	Final Pumping Rate	350 mL/min
Well diameter	2 in	Total System Volume	0.6619747 L
Well Total Depth	48.2 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1.8 in
Depth to Water	27.78 ft	Total Volume Pumped	7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	34.62 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.62 ft

Well Information:		Pumping Information:	
Well ID	SGWC-16	Final Pumping Rate	380 mL/min
Well diameter	2 in	Total System Volume	0.6395237 L
Well Total Depth	43.3 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.76 in
Depth to Water	24.33 ft	Total Volume Pumped	7.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	19.24 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	19.24 ft

Well Information:		Pumping Information:	
Well ID	SGWC-17	Final Pumping Rate	440 mL/min
Well diameter	2 in	Total System Volume	0.5708762 L
Well Total Depth	24.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	14.64 in
Depth to Water	1.28 ft	Total Volume Pumped	11 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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

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Grab Samples

Product Name: Low-Flow System

Date: 2021-02-10 10:56:52

Project Information:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	39.5 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	39.5 ft

Well Information:		Pumping Information:	
Well ID	SGWC-18	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6613052 L
Well Total Depth	47.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0 in
Depth to Water	39.6 ft	Total Volume Pumped	16 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	29 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	SGWC-19	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.6144392 L
Well Total Depth	37.4 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12.84 in
Depth to Water	15.7 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	19.5 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	19.5 ft

Well Information:		Pumping Information:	
Well ID	SGWC-20	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.5720367 L
Well Total Depth	27.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	14.88 in
Depth to Water	13.69 ft	Total Volume Pumped	7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	19.39 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	642533		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	19.39 ft

Well Information:		Pumping Information:	
Well ID	SGWC-21	Final Pumping Rate	425 mL/min
Well diameter	2 in	Total System Volume	0.5715458 L
Well Total Depth	27.79 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.88 in
Depth to Water	0.70 ft	Total Volume Pumped	12.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	44.2 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.2 ft

Well Information:		Pumping Information:	
Well ID	SGWC-22	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	52.60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	14.4 in
Depth to Water	25.75 ft	Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	D.Thomas	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	44.25 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.25 ft

Well Information:		Pumping Information:	
Well ID	SGWC-23	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.485 L
Well Total Depth	52.60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.4 in
Depth to Water	30.50 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	34.80 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.80 ft

Well Information:		Pumping Information:	
Well ID	SGWA-24	Final Pumping Rate	280 mL/min
Well diameter	2 in	Total System Volume	0.6407288 L
Well Total Depth	42.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	9.24 in
Depth to Water	13.93 ft	Total Volume Pumped	5.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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:		Pump Information:	
Operator Name	K. Minkara	Pump Model/Type	QED Dedicated
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	.170 in
Site Name	Plant Scherer	Tubing Length	39.75 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	39.75 ft

Well Information:		Pumping Information:	
Well ID	SGWA-25	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.6624211 L
Well Total Depth	48.00 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	4.44 in
Depth to Water	25.78 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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

Location Name: SGWA-1 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 43.4 ft** **Total Depth: 53.4 ft** **Initial Depth to Water: 36.95 ft**	**Pump Type: QED** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 44.6 ft** **Pump Intake From TOC: 44.6 ft** **Estimated Total Volume Pumped: 3.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728550**

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

Location Name: SGWA-2 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 88.5 ft** **Total Depth: 98.5 ft** **Initial Depth to Water: 36.15 ft**	**Pump Type: QED** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 91.05 ft** **Pump Intake From TOC: 91.05 ft** **Estimated Total Volume Pumped: 3.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 22.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728550**

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

Location Name: SGWA-3 **Well Diameter: 2 ft** **Screen Length: 10 ft** **Top of Screen: 42.82 ft** **Total Depth: 52.82 ft** **Initial Depth to Water: 30.6 ft**	**Pump Type: QED** **Tubing Type: polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 44.9 ft** **Pump Intake From TOC: 44.9 ft** **Estimated Total Volume Pumped: 4 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 53.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728566**

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

Location Name: SGWA-4 **Well Diameter: 2 in** **Total Depth: 63.2 ft**	**Pump Type: QED** **Estimated Total Volume Pumped: 13 L** **Tubing Type: Poly** **Pump Intake From TOC: 54.8 ft Flow** **Cell Volume: 90 ml Final** **Flow Rate: 100 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:58:21 AM
Project: Plant Scherer
Operator Name: D.Thomas

Location Name: SGWA-4 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 53.2 ft** **Total Depth: 63.2 ft** **Initial Depth to Water: 47.15 ft**	**Pump Type: QED** **Tubing Type: polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 54.8 ft** **Pump Intake From TOC: 54.8 ft** **Estimated Total Volume Pumped: 3 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 19.32 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728566**

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

Location Name: SGWA-5 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 23.1 ft** **Total Depth: 33.1 ft** **Initial Depth to Water: 13.6 ft**	**Pump Type: QED** **Tubing Type: polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 24.36 ft** **Pump Intake From TOC: 24.36 ft** **Estimated Total Volume Pumped: 5 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 9.72 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728566**

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

Location Name: SGWC-6 **Well Diameter: 2 in** **Total Depth: 27.6 ft** **Initial Depth to Water: 12.6 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 19.21 ft** **Estimated Total Volume Pumped: 7.50 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min Final Draw Down: 35.16 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 9:49:00 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-7 **Total Depth: 37.7 ft**	**Pump Type: QED** **Estimated Total Volume Pumped: 9 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 12.8 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/1/2021 10:14:35 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-7 **Total Depth: 37.7 ft** **Initial Depth to Water: 12.15 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 29.75 ft** **Estimated Total Volume Pumped: 11.2 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 4.44 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 3:00:12 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-8 **Well Diameter: 2 in** **Total Depth: 42.6 ft** **Initial Depth to Water: 20.3 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 34.2 ft** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/1/2021 9:07:10 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-8 **Well Diameter: 2 in** **Total Depth: 42.6 ft** **Initial Depth to Water: 20.56 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 34.2 ft** **Estimated Total Volume Pumped: 6.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 3.96 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 1:37:20 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-9 **Well Diameter: 2 in** **Total Depth: 37.8 ft** **Initial Depth to Water: 19.91 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 29.4 m** **Estimated Total Volume Pumped: 6.75 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min Final Draw Down: 10.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:19:45 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-10 **Well Diameter: 2 in** **Total Depth: 32.6 ft** **Initial Depth to Water: 18.4 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 24.2 m** **Estimated Total Volume Pumped: 11.4 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min Final Draw Down: 10.2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 9:22:17 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-11 **Well Diameter: 2 in** **Total Depth: 42.7 ft** **Initial Depth to Water: 18.9 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 34.3 m** **Estimated Total Volume Pumped: 8.85 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min Final Draw Down: 21.72 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Product Name: Low-Flow System

Date: 2021-03-31 11:21:09

Project Information:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethelene
Project Name	Plant Scherer	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	41.87 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	41.87 ft

Well Information:		Pumping Information:	
Well ID	SGWC-12	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.6718835 L
Well Total Depth	50.20 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	33.96 in
Depth to Water	15.09 ft	Total Volume Pumped	5.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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

Location Name: SGWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.2 ft** **Total Depth: 50.2 ft** **Initial Depth to Water: 15.03 ft**	**Pump Intake From TOC: 57 ft** **Estimated Total Volume Pumped: 4.3 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min Final Draw Down: 29.76 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Product Name: Low-Flow System

Date: 2021-03-31 12:27:05

Project Information:		Pump Information:	
Operator Name	A. McClure	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethelene
Project Name	Plant Scherer	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	29 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	SGWC-13	Final Pumping Rate	225 mL/min
Well diameter	2 in	Total System Volume	0.6144392 L
Well Total Depth	37.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	16.8 in
Depth to Water	4.41 ft	Total Volume Pumped	4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/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

Location Name: SGWC-13 **Well Diameter: 2 in** **Total Depth: 37.5 ft** **Initial Depth to Water: 4.51 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 29.1 ft** **Estimated Total Volume Pumped: 6 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 19.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:54:35 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-13 **Well Diameter: 2 in** **Total Depth: 37.5 ft** **Initial Depth to Water: 4.51 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 29.1 ft** **Estimated Total Volume Pumped: 6 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 19.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/6/2021 10:19:24 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-14 **Well Diameter: 2 in** **Total Depth: 38.5 m** **Initial Depth to Water: 10.5 ft**	**Pump Type: QED** **Tubing Type: Poly** **Estimated Total Volume Pumped: 6 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 1.2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 1:38:57 PM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Total Depth: 48.2 ft** **Initial Depth to Water: 26.84 ft**	**Estimated Total Volume Pumped: 11.40 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 380 ml/min Final Draw Down: 1.80 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 4/1/2021 2:34:59 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-16 **Well Diameter: 2 in** **Total Depth: 43.3 ft** **Initial Depth to Water: 22.9 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 34.62 ft** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.44 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/1/2021 1:09:08 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: SGWC-17 **Well Diameter: 2 in** **Total Depth: 24.6 ft** **Initial Depth to Water: 1.31 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 19.24 ft** **Estimated Total Volume Pumped: 7 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 6.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 10:37:59 AM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40 ft** **Total Depth: 47.6 ft**	**Estimated Total Volume Pumped: 6 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 3:42:31 PM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Total Depth: 37.4 ft** **Initial Depth to Water: 15.21 ft**	**Estimated Total Volume Pumped: 6.80 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 340 ml/min Final** **Draw Down: 0 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 12:16:53 PM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Total Depth: 27.9 ft** **Initial Depth to Water: 13.04 ft**	**Estimated Total Volume Pumped: 10.5 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:50:05 PM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Total Depth: 27.79 ft** **Initial Depth to Water: 0 ft**	**Estimated Total Volume Pumped: 7.50 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 11:18:40 AM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Total Depth: 52.6 ft** **Initial Depth to Water: 24.85 ft**	**Estimated Total Volume Pumped: 9.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 360 ml/min Final Draw Down: 26.88 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/31/2021 10:00:42 AM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: SGWC-23 **Initial Depth to Water: 29.58 ft**	**Estimated Total Volume Pumped: 9.12 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 340 ml/min Final Draw Down: 2.76 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 3/30/2021 11:23:08 AM
Project: Plant Scherer
Operator Name: D.Thomas

Location Name: SGWA-24 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 13.3 ft**	**Pump Type: QED** **Tubing Type: Polyethylene** **Pump Intake From TOC: 34.89 ft** **Estimated Total Volume Pumped: 4.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 10.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728550**

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

Location Name: SGWA-25 **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 38 ft** **Total Depth: 48 ft** **Initial Depth to Water: 24.8 ft**	**Pump Type: QED** **Tubing Type: poly** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 39.75 ft** **Pump Intake From TOC: 39.75 ft** **Estimated Total Volume Pumped: 5.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 6.0 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728550**

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

Location Name: SGWA-25 **Well Diameter: 2 in** **Total Depth: 48 ft** **Initial Depth to Water: 24.9 ft**	**Pump Type: Development** **Tubing Type: Poly** **Pump Intake From TOC: 39.75 ft** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.72 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:39:01 AM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: PZ-13S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.1 ft** **Total Depth: 48.1 ft** **Initial Depth to Water: 29.62 ft**	**Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 3.60 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 240 ml/min** **Final Draw Down: 2.64 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:50:58 AM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: PZ-14I **Well Diameter: 2 in** **Total Depth: 98.25 ft** **Initial Depth to Water: 25.25 ft**	**Pump Type: QED** **Tubing Type: Poly** **Pump Intake From TOC: 93.25 ft** **Estimated Total Volume Pumped: 3.50 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min Final Draw Down: -2.76 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:44:21 AM
Project: Plant Scherer
Operator Name: A. McClure

Location Name: PZ-14S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.25 ft** **Total Depth: 48.25 ft** **Initial Depth to Water: 23.5 ft**	**Pump Type: Alexis** **Tubing Type: Polyethylene Pump** **Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 5.6 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728550**

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:

Low-Flow Test Report:

Test Date / Time: 4/2/2021 9:25:22 AM
Project: Plant Scherer
Operator Name: D.Thomas

Location Name: PZ-25S **Well Diameter: 2 in** **Screen Length: 10 ft** **Top of Screen: 48.05 ft** **Total Depth: 58.05 ft**	**Pump Type: Bladder** **Tubing Type: polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 53 ft** **Pump Intake From TOC: 53 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 14.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728566**

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:

PZ-25S	

Low-Flow Test Report:

Test Date / Time: 4/2/2021 11:03:31 AM
Project: Plant Scherer
Operator Name: D.Thomas

Location Name: PZ-39S **Well Diameter: 2 in Screen** **Length: 10 ft** **Top of Screen: 70 ft** **Total Depth: 80 ft** **Initial Depth to Water: 31 ft**	**Pump Type: Bladder** **Tubing Type: polyethylene** **Tubing Inner Diameter: 0.17 in** **Tubing Length: 75 ft** **Pump Intake From TOC: 75 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 30.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728566**

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

Location Name: PZ-41S **Well Diameter: 2 in** **Total Depth: 47.42 ft** **Initial Depth to Water: 29.42 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 42.42 ft** **Estimated Total Volume Pumped: 18 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 22.56 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:04:21 PM
Project: Plant Scherer
Operator Name: Jeannie Quenneville

Location Name: PZ-43S **Well Diameter: 2 in** **Total Depth: 53.9 ft** **Initial Depth to Water: 25 ft**	**Pump Type: Development** **Tubing Type: Poly** **Pump Intake From TOC: 48.9 ft** **Estimated Total Volume Pumped: 3.75 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min Final Draw Down: -3.48ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

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:

Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:07:16 PM
Project: Plant Scherer
Operator Name: Erik Rheams

Location Name: PZ-44I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 107.2 ft** **Total Depth: 117.2 ft** **Initial Depth to Water: 17.91 ft**	**Pump Intake From TOC: 112 ft** **Estimated Total Volume Pumped: 5.0 L** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 17.16 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

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:

APPENDIX A

Field Data Forms
August 2021

Product Name: Low-Flow System

Date: 2021-08-17 15:12:11

Project Information:		Pump Information:	
Operator Name	E Rheams	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	44.60 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	512733		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.60 ft

Well Information:		Pumping Information:	
Well ID	SGWA-1	Final Pumping Rate	220 mL/min
Well diameter	2 in	Total System Volume	0.6830687 L
Well Total Depth	53.40 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3.24 in
Depth to Water	39.94 ft	Total Volume Pumped	4.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:55:02	300.72	20.30	5.28	36.49	7.50	40.16	1.74	373.14
Last 5	15:00:02	600.72	20.28	5.27	35.02	5.79	40.21	1.09	346.66
Last 5	15:05:02	900.72	20.25	5.27	34.19	3.09	40.21	0.98	337.22
Last 5	15:10:03	1201.72	20.26	5.26	34.09	2.29	40.21	0.96	337.54
Last 5									
Variance 0			-0.02	-0.01	-1.47			-0.66	-26.49
Variance 1			-0.02	-0.00	-0.83			-0.11	-9.44
Variance 2			0.01	-0.01	-0.10			-0.01	0.33

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-17 16:11:57

Project Information:		Pump Information:	
Operator Name	E Rheams	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	91.05 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	512733		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	91.05 ft

Well Information:		Pumping Information:	
Well ID	SGWA-2	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.8903946 L
Well Total Depth	98.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	18.6 in
Depth to Water	39.96 ft	Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:55:00	300.03	20.84	6.81	123.95	1.69	41.20	4.05	369.16
Last 5	16:00:00	600.02	20.48	6.85	124.05	0.15	41.51	3.95	371.74
Last 5	16:05:00	900.02	20.39	6.83	124.04	0.04	41.50	3.87	374.33
Last 5	16:10:00	1200.02	20.35	6.84	124.29	0.05	41.51	3.91	371.29
Last 5									
Variance 0			-0.35	0.04	0.10			-0.10	2.58
Variance 1			-0.09	-0.02	-0.00			-0.07	2.59
Variance 2			-0.04	0.01	0.25			0.03	-3.04

Notes

Grab Samples

Low-Flow Test Report:

Test Date / Time: 8/18/2021 10:56:31 AM
Project: Plant Scherer 166235021 (5)
Operator Name: C. Tidwell

Location Name: SGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.8 ft** **Total Depth: 52.8 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 44.9 ft** **Estimated Total Volume Pumped: 11000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 3.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/18/2021 10:56 AM	00:00	5.88 pH	24.06 °C	82.76 µS/cm	4.87 mg/L	0.43 NTU	135.4 mV	35.83 ft	200.00 ml/min
8/18/2021 11:01 AM	05:00	5.87 pH	23.97 °C	82.86 µS/cm	6.07 mg/L	0.44 NTU	118.2 mV	35.83 ft	200.00 ml/min
8/18/2021 11:06 AM	10:00	5.88 pH	24.51 °C	84.36 µS/cm	6.47 mg/L	0.51 NTU	111.0 mV	35.84 ft	200.00 ml/min
8/18/2021 11:11 AM	15:00	5.90 pH	24.55 °C	74.01 µS/cm	5.79 mg/L	0.48 NTU	115.8 mV	35.84 ft	200.00 ml/min
8/18/2021 11:16 AM	20:00	5.86 pH	25.08 °C	75.08 µS/cm	4.64 mg/L	0.44 NTU	115.4 mV	35.84 ft	200.00 ml/min
8/18/2021 11:21 AM	25:00	5.88 pH	24.78 °C	68.98 µS/cm	5.17 mg/L	0.49 NTU	117.2 mV	35.84 ft	200.00 ml/min
8/18/2021 11:26 AM	30:00	5.95 pH	24.97 °C	72.39 µS/cm	5.59 mg/L	0.44 NTU	152.8 mV	35.84 ft	200.00 ml/min
8/18/2021 11:31 AM	35:00	5.90 pH	25.78 °C	76.83 µS/cm	7.08 mg/L	0.46 NTU	112.5 mV	35.85 ft	200.00 ml/min
8/18/2021 11:36 AM	40:00	5.88 pH	24.76 °C	82.75 µS/cm	5.21 mg/L	0.47 NTU	108.3 mV	35.85 ft	200.00 ml/min
8/18/2021 11:41 AM	45:00	5.85 pH	24.00 °C	82.44 µS/cm	4.82 mg/L	0.44 NTU	106.4 mV	35.85 ft	200.00 ml/min
8/18/2021 11:46 AM	50:00	5.84 pH	24.20 °C	81.16 µS/cm	4.67 mg/L	0.42 NTU	105.3 mV	35.85 ft	200.00 ml/min
8/18/2021 11:51 AM	55:00	5.85 pH	23.76 °C	80.77 µS/cm	4.42 mg/L	0.41 NTU	104.3 mV	35.85 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/17/2021 2:27:03 PM
Project: Plant Scherer 166235021 (2)
Operator Name: C. Tidwell

Location Name: Scherer/ SGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.2 ft** **Total Depth: 63.2 ft** **Initial Depth to Water: 45.86 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 58.2 ft** **Estimated Total Volume Pumped: 3423.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.71 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/17/2021 2:27 PM	00:00	8.67 pH	24.20 °C	0.00 µS/cm	7.20 mg/L		21.6 mV	45.86 ft	200.00 ml/min
8/17/2021 2:29 PM	02:07	6.58 pH	24.42 °C	50.63 µS/cm	7.53 mg/L	5.56 NTU	153.2 mV	48.55 ft	200.00 ml/min
8/17/2021 2:34 PM	07:07	6.40 pH	21.02 °C	162.84 µS/cm	5.80 mg/L	2.49 NTU	111.5 mV	48.56 ft	200.00 ml/min
8/17/2021 2:39 PM	12:07	6.40 pH	20.37 °C	162.34 µS/cm	5.74 mg/L	2.30 NTU	104.9 mV	48.57 ft	200.00 ml/min
8/17/2021 2:44 PM	17:07	6.41 pH	20.30 °C	164.75 µS/cm	5.69 mg/L		103.4 mV	48.57 ft	200.00 ml/min

Samples

Sample ID:	Description:

Product Name: Low-Flow System

Date: 2021-08-18 10:57:21

Project Information:		Pump Information:	
Operator Name	E Rheas	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	24.36 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	512733		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	24.36 ft

Well Information:		Pumping Information:	
Well ID	SGWA-5	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.592729 L
Well Total Depth	33.1 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12.6 in
Depth to Water	15.41 ft	Total Volume Pumped	4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:44:49	300.96	19.14	5.62	53.18	0.17	16.39	4.03	316.48
Last 5	10:49:49	601.00	18.88	5.54	52.37	0.00	16.44	4.00	331.60
Last 5	10:54:49	900.96	18.92	5.55	51.50	0.00	16.46	4.01	337.47
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.26	-0.08	-0.80			-0.04	15.12
Variance 2			0.04	0.01	-0.88			0.01	5.88

Notes

Grab Samples

Low-Flow Test Report:

Test Date / Time: 8/18/2021 2:07:45 PM
Project: Plant Scherer 166235021 (6)
Operator Name: C. Tidwell

Location Name: SGWC-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.6 ft** **Total Depth: 27.6 ft** **Initial Depth to Water: 13.04 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 19.21 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 1.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/18/2021 2:07 PM	00:00	6.50 pH	32.40 °C	112.00 µS/cm	4.26 mg/L	5.89 NTU	104.1 mV	13.04 ft	200.00 ml/min
8/18/2021 2:12 PM	05:00	6.34 pH	23.19 °C	127.08 µS/cm	1.03 mg/L	1.78 NTU	71.5 mV	13.47 ft	180.00 ml/min
8/18/2021 2:17 PM	10:00	6.34 pH	22.82 °C	131.30 µS/cm	1.30 mg/L	1.10 NTU	61.9 mV	14.28 ft	180.00 ml/min
8/18/2021 2:22 PM	15:00	6.34 pH	25.53 °C	136.56 µS/cm	1.53 mg/L	1.01 NTU	61.4 mV	14.38 ft	180.00 ml/min
8/18/2021 2:27 PM	20:00	6.34 pH	27.92 °C	137.86 µS/cm	1.57 mg/L	0.97 NTU	62.6 mV	14.41 ft	180.00 ml/min
8/18/2021 2:32 PM	25:00	6.33 pH	29.85 °C	138.29 µS/cm	1.60 mg/L	0.84 NTU	63.2 mV	14.41 ft	180.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/18/2021 3:04:58 PM
Project: Plant Scherer 166235021 (7)
Operator Name: C. Tidwell

Location Name: SGWC-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.7 ft** **Total Depth: 37.7 ft** **Initial Depth to Water: 12.34 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 29.75 ft** **Estimated Total Volume Pumped: 10450 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 190 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/18/2021 3:04 PM	00:00	6.56 pH	28.55 °C	304.54 µS/cm	2.89 mg/L	10.11 NTU	45.0 mV	12.34 ft	200.00 ml/min
8/18/2021 3:09 PM	05:00	6.57 pH	29.90 °C	314.60 µS/cm	2.86 mg/L	0.99 NTU	53.2 mV	12.41 ft	190.00 ml/min
8/18/2021 3:14 PM	10:00	6.63 pH	30.69 °C	324.43 µS/cm	3.25 mg/L	0.83 NTU	5.9 mV	12.42 ft	190.00 ml/min
8/18/2021 3:19 PM	15:00	6.68 pH	30.62 °C	347.16 µS/cm	3.14 mg/L	0.72 NTU	-8.5 mV	12.42 ft	190.00 ml/min
8/18/2021 3:24 PM	20:00	6.68 pH	31.29 °C	350.79 µS/cm	2.52 mg/L	0.69 NTU	-22.3 mV	12.42 ft	190.00 ml/min
8/18/2021 3:29 PM	25:00	6.68 pH	31.25 °C	346.53 µS/cm	2.31 mg/L	0.67 NTU	-9.0 mV	12.43 ft	190.00 ml/min
8/18/2021 3:34 PM	30:00	6.67 pH	30.75 °C	342.51 µS/cm	2.09 mg/L	0.63 NTU	-4.0 mV	12.43 ft	190.00 ml/min
8/18/2021 3:39 PM	35:00	6.65 pH	30.16 °C	335.54 µS/cm	1.89 mg/L	0.71 NTU	-5.1 mV	12.43 ft	190.00 ml/min
8/18/2021 3:44 PM	40:00	6.63 pH	30.71 °C	335.85 µS/cm	1.67 mg/L	0.67 NTU	2.0 mV	12.43 ft	190.00 ml/min
8/18/2021 3:49 PM	45:00	6.62 pH	32.24 °C	331.28 µS/cm	1.47 mg/L	0.59 NTU	1.4 mV	12.43 ft	190.00 ml/min
8/18/2021 3:54 PM	50:00	6.61 pH	33.26 °C	326.71 µS/cm	1.36 mg/L	0.55 NTU	2.2 mV	12.43 ft	190.00 ml/min
8/18/2021 3:59 PM	55:00	6.61 pH	33.16 °C	311.77 µS/cm	1.30 mg/L	0.54 NTU	7.3 mV	12.43 ft	190.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/18/2021 4:29:57 PM
Project: Plant Scherer 166235021 (8)
Operator Name: C. Tidwell

Location Name: SGWC-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.6 ft** **Total Depth: 42.6 ft** **Initial Depth to Water: 21.26 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 34.2 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/18/2021 4:29 PM	00:00	6.56 pH	22.74 °C	603.71 µS/cm	2.67 mg/L	5.25 NTU	108.2 mV	21.26 ft	200.00 ml/min
8/18/2021 4:34 PM	05:00	6.50 pH	22.53 °C	624.40 µS/cm	1.74 mg/L	2.15 NTU	75.0 mV	21.42 ft	200.00 ml/min
8/18/2021 4:39 PM	10:00	6.48 pH	23.70 °C	621.07 µS/cm	1.41 mg/L	1.96 NTU	68.3 mV	21.49 ft	200.00 ml/min
8/18/2021 4:44 PM	15:00	6.48 pH	23.03 °C	611.00 µS/cm	1.31 mg/L	0.99 NTU	87.5 mV	21.49 ft	200.00 ml/min
8/18/2021 4:49 PM	20:00	6.48 pH	22.79 °C	604.99 µS/cm	1.29 mg/L	0.79 NTU	63.1 mV	21.49 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/19/2021 10:02:19 AM
Project: Plant Scherer 166235021 (9)
Operator Name: C. Tidwell

Location Name: SGWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.8 ft** **Total Depth: 37.8 ft** **Initial Depth to Water: 21.37 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 29.4 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/19/2021 10:02 AM	00:00	6.33 pH	25.07 °C	641.32 µS/cm	5.25 mg/L	0.74 NTU	152.6 mV	21.37 ft	200.00 ml/min
8/19/2021 10:07 AM	05:00	6.22 pH	24.68 °C	573.56 µS/cm	2.09 mg/L	1.18 NTU	334.4 mV	21.56 ft	200.00 ml/min
8/19/2021 10:12 AM	10:00	6.22 pH	24.87 °C	568.49 µS/cm	1.75 mg/L	1.53 NTU	298.8 mV	21.63 ft	200.00 ml/min
8/19/2021 10:17 AM	15:00	6.22 pH	25.17 °C	567.49 µS/cm	1.70 mg/L	0.83 NTU	300.1 mV	21.65 ft	200.00 ml/min
8/19/2021 10:22 AM	20:00	6.22 pH	25.44 °C	566.38 µS/cm	1.58 mg/L	0.89 NTU	435.4 mV	21.65 ft	200.00 ml/min

Samples

Sample ID:	Description:

Product Name: Low-Flow System

Date: 2021-08-19 10:25:39

Project Information:		Pump Information:	
Operator Name	N. Tejeda	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	24.20 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	541714		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	24.20 ft

Well Information:		Pumping Information:	
Well ID	SGWC-10	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.6116539 L
Well Total Depth	32.60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	22.08 in
Depth to Water	19.15 ft	Total Volume Pumped	3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:05:01	300.09	21.28	5.24	74.32	0.71	20.49	1.53	64.20
Last 5	10:10:01	600.02	21.23	5.19	70.09	0.86	20.71	0.79	62.76
Last 5	10:15:01	900.02	21.10	5.21	69.73	1.15	20.85	0.72	64.90
Last 5	10:20:01	1200.01	21.12	5.21	69.81	1.89	20.99	0.68	68.59
Last 5									
Variance 0			-0.04	-0.05	-4.23			-0.74	-1.44
Variance 1			-0.14	0.02	-0.37			-0.07	2.13
Variance 2			0.03	0.01	0.08			-0.03	3.69

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 12:05:12

Project Information:		Pump Information:	
Operator Name	N. Tejeda	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	34.30 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	541714		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.30 ft

Well Information:		Pumping Information:	
Well ID	SGWC-11	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.652271 L
Well Total Depth	42.70 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	30.12 in
Depth to Water	20.58 ft	Total Volume Pumped	7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:42:01	900.02	22.02	5.31	62.08	1.41	22.85	1.20	100.31
Last 5	11:47:01	1200.02	22.20	5.28	62.30	1.28	22.88	0.95	100.84
Last 5	11:52:01	1500.01	22.22	5.26	62.40	1.51	23.00	0.76	100.60
Last 5	11:57:07	1806.02	22.33	5.25	62.40	1.67	23.07	0.66	100.30
Last 5	12:02:07	2106.01	22.25	5.23	62.51	2.11	23.09	0.56	100.42
Variance 0			0.03	-0.02	0.10			-0.19	-0.24
Variance 1			0.11	-0.01	-0.00			-0.10	-0.31
Variance 2			-0.08	-0.02	0.11			-0.10	0.13

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-20 09:33:31

Project Information:	
Operator Name	E. Rheams
Company Name	Golder Associates
Project Name	166235021
Site Name	Plant Scherer
Latitude	0º 0' 0"
Longitude	0º 0' 0"
Sonde SN	512733
Turbidity Make/Model	LaMotte 2020we

Pump Information:	
Pump Model/Type	QED Well Wizard
Tubing Type	polyethylene
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	50.2 ft
Screen Length	10 ft
Depth to Water	16.64 ft

Pumping Information:	
Final Pumping Rate	140 mL/min
Total System Volume	0.6708835 L
Calculated Sample Rate	300 sec
Stabilization Drawdown	35.04 in
Total Volume Pumped	3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:09:43	300.02	20.39	6.15	267.69	0.14	18.21	1.18	62.74
Last 5	09:14:43	600.02	20.17	6.11	265.78	0.12	19.61	0.85	64.53
Last 5	09:19:43	900.02	20.60	6.11	266.63	0.03	19.61	0.54	58.78
Last 5	09:24:43	1200.02	20.71	6.13	265.93	0.01	19.55	0.44	55.21
Last 5	09:29:43	1500.02	20.70	6.12	265.74	0.00	19.56	0.33	52.49
Variance 0			0.43	0.00	0.86			-0.31	-5.75
Variance 1			0.10	0.01	-0.71			-0.10	-3.57
Variance 2			-0.00	-0.01	-0.19			-0.11	-2.73

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 10:16:09

Project Information:	
Operator Name	E. Rheams
Company Name	Golder Associates
Project Name	166235021
Site Name	Plant Scherer
Latitude	0º 0' 0"
Longitude	0º 0' 0"
Sonde SN	512733
Turbidity Make/Model	LaMotte 2020we

Pump Information:	
Pump Model/Type	QED Well Wizard
Tubing Type	polyethylene
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	37.5 ft
Screen Length	10 ft
Depth to Water	4.58 ft

Pumping Information:	
Final Pumping Rate	200 mL/min
Total System Volume	0.6134393 L
Calculated Sample Rate	300 sec
Stabilization Drawdown	16.8 in
Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:59:09	300.03	21.42	6.11	261.51	11.61	5.69	0.73	154.93
Last 5	10:04:09	600.02	21.24	6.02	261.31	4.87	5.90	0.39	154.72
Last 5	10:09:09	900.02	21.15	5.99	260.69	3.54	5.99	0.20	156.59
Last 5	10:14:09	1200.02	21.11	5.99	258.94	1.82	5.98	0.16	161.43
Last 5									
Variance 0			-0.18	-0.09	-0.20			-0.35	-0.21
Variance 1			-0.08	-0.03	-0.62			-0.19	1.86
Variance 2			-0.04	-0.00	-1.75			-0.04	4.85

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 11:26:08

Project Information:		Pump Information:	
Operator Name	E. Rheams	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	30.24 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	512733		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	30.24 ft

Well Information:		Pumping Information:	
Well ID	SGWC-14	Final Pumping Rate	180 mL/min
Well diameter	2 in	Total System Volume	0.6189739 L
Well Total Depth	38.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.96 in
Depth to Water	10.52 ft	Total Volume Pumped	3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:09:29	300.02	20.61	5.91	422.18	3.79	10.58	0.99	410.60
Last 5	11:14:29	600.02	20.24	5.88	426.19	4.17	10.60	0.83	464.82
Last 5	11:19:29	900.02	20.49	5.87	427.24	3.79	10.59	0.46	474.64
Last 5	11:24:29	1200.02	20.90	5.86	424.56	2.49	10.60	0.41	483.69
Last 5									
Variance 0			-0.38	-0.03	4.02			-0.16	54.22
Variance 1			0.26	-0.02	1.05			-0.37	9.82
Variance 2			0.40	-0.01	-2.68			-0.05	9.05

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 13:50:02

Project Information:	
Operator Name	E. Rheams
Company Name	Golder Associates
Project Name	166235021
Site Name	Plant Scherer
Latitude	0º 0' 0"
Longitude	0º 0' 0"
Sonde SN	512733
Turbidity Make/Model	LaMotte 2020we

Pump Information:	
Pump Model/Type	QED Well Wizard
Tubing Type	polyethylene
Tubing Diameter	0.170 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	29.16 ft

Pumping Information:	
Final Pumping Rate	240 mL/min
Total System Volume	0.6609747 L
Calculated Sample Rate	300 sec
Stabilization Drawdown	1.44 in
Total Volume Pumped	10.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:24:32	1500.02	21.90	4.65	427.03	6.32	29.29	1.56	719.08
Last 5	13:29:33	1801.02	22.09	4.66	425.79	5.81	29.28	1.52	711.65
Last 5	13:34:33	2101.02	21.82	4.67	423.84	5.89	29.28	1.10	705.60
Last 5	13:39:33	2401.02	21.88	4.67	425.54	5.48	29.28	1.00	697.46
Last 5	13:44:33	2701.02	22.55	4.63	429.73	4.73	29.28	0.95	690.02
Variance 0			-0.27	0.01	-1.95			-0.42	-6.05
Variance 1			0.06	-0.00	1.70			-0.11	-8.14
Variance 2			0.67	-0.04	4.19			-0.05	-7.44

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 10:11:54

Project Information:	
Operator Name	D Cox
Company Name	Golder Associates
Project Name	166235021
Site Name	Plant Scherer
Latitude	0º 0' 0"
Longitude	0º 0' 0"
Sonde SN	465016
Turbidity Make/Model	LaMotte 2020we

Pump Information:	
Pump Model/Type	QED Well Wizard
Tubing Type	polyethylene
Tubing Diameter	0.170 in
Tubing Length	34.6 ft
Pump placement from TOC	34.6 ft

Well Information:	
Well ID	SGWC-16
Well diameter	2 in
Well Total Depth	43.3 ft
Screen Length	10 ft
Depth to Water	24.95 ft

Pumping Information:	
Final Pumping Rate	200 mL/min
Total System Volume	0.6384345 L
Calculated Sample Rate	300 sec
Stabilization Drawdown	1.8 in
Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:50:09	600.14	20.33	5.28	150.31	24.50	25.10	2.62	47.61
Last 5	09:55:09	900.14	20.21	5.28	150.64	14.00	25.10	2.60	50.68
Last 5	10:00:09	1200.14	20.33	5.27	151.30	10.01	25.10	2.60	53.77
Last 5	10:05:09	1500.14	20.43	5.27	150.86	5.63	25.10	2.60	57.26
Last 5	10:10:09	1800.14	20.74	5.28	150.48	3.15	25.10	2.59	62.17
Variance 0			0.12	-0.00	0.66			0.00	3.09
Variance 1			0.09	0.00	-0.43			0.00	3.50
Variance 2			0.31	0.01	-0.38			-0.01	4.91

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 16:46:34

Project Information:	
Operator Name	E Rheams
Company Name	Golder Associates
Project Name	166235021
Site Name	Plant Scherer
Latitude	0º 0' 0"
Longitude	0º 0' 0"
Sonde SN	512733
Turbidity Make/Model	LaMotte 2020we

Pump Information:	
Pump Model/Type	QED Well Wizard
Tubing Type	polyethylene
Tubing Diameter	0.170 in
Tubing Length	12.24 ft
Pump placement from TOC	12.24 ft

Well Information:	
Well ID	SGWC-17
Well diameter	2 in
Well Total Depth	24.6 ft
Screen Length	10 ft
Depth to Water	1.51 ft

Pumping Information:	
Final Pumping Rate	100 mL/min
Total System Volume	0.5386323 L
Calculated Sample Rate	300 sec
Stabilization Drawdown	2.88 in
Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:24:39	2400.03	22.33	6.26	526.25	9.90	1.75	0.21	449.28
Last 5	16:29:39	2700.03	22.00	6.26	525.78	7.23	1.75	0.15	460.09
Last 5	16:34:39	3000.03	22.02	6.27	526.64	7.57	1.75	0.13	428.54
Last 5	16:39:39	3300.03	22.27	6.25	528.19	6.76	1.75	0.12	423.36
Last 5	16:44:39	3600.03	21.96	6.26	526.28	3.91	1.75	0.14	451.85
Variance 0			0.02	0.00	0.86			-0.02	-31.55
Variance 1			0.25	-0.02	1.54			-0.01	-5.17
Variance 2			-0.31	0.01	-1.90			0.02	28.49

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 14:32:08

Project Information:		Pump Information:	
Operator Name	E Rheams	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	39.5 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	512733		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	39.5 ft

Well Information:		Pumping Information:	
Well ID	SGWC-18	Final Pumping Rate	180 mL/min
Well diameter	2 in	Total System Volume	0.6603053 L
Well Total Depth	47.60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	7.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:58:57	600.02	23.12	4.82	1790.92	37.30	0.00	2.77	631.77
Last 5	14:08:57	1200.02	22.89	4.83	1790.81	14.70	0.00	2.40	632.41
Last 5	14:13:57	1500.02	22.89	4.84	1793.15	7.59	0.00	2.34	628.00
Last 5	14:23:58	2101.02	23.89	4.84	1794.10	4.11	0.00	2.38	607.62
Last 5	14:28:58	2401.02	24.60	4.83	1792.86	1.30	0.00	2.39	600.18
Variance 0			-0.00	0.00	2.34			-0.06	-4.41
Variance 1			1.00	0.00	0.96			0.05	-20.38
Variance 2			0.71	-0.00	-1.24			0.01	-7.44

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 13:31:14

Project Information:		Pump Information:	
Operator Name	D Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	32.4 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	32.4 ft

Well Information:		Pumping Information:	
Well ID	SGWC-19	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.6286149 L
Well Total Depth	37.4 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	11.88 in
Depth to Water	16.02 ft	Total Volume Pumped	5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:15:01	300.06	21.23	5.67	623.07	0.50	16.98	3.07	134.73
Last 5	13:20:01	600.02	21.08	5.65	620.71	1.56	17.00	2.87	124.14
Last 5	13:25:01	899.95	21.06	5.63	621.11	2.13	17.01	2.89	117.35
Last 5	13:30:01	1199.95	20.83	5.61	619.48	2.74	17.01	2.93	112.56
Last 5 Variance 0			-0.15	-0.02	-2.37			-0.20	-10.59
Last 5 Variance 1			-0.01	-0.02	0.40			0.02	-6.79
Last 5 Variance 2			-0.23	-0.02	-1.62			0.04	-4.79

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-19 11:56:50

Project Information:		Pump Information:	
Operator Name	D Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	19.5 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	19.5 ft

Well Information:		Pumping Information:	
Well ID	SGWC-20	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.5710368 L
Well Total Depth	27.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	9.24 in
Depth to Water	13.96 ft	Total Volume Pumped	8.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:35:10	900.58	23.25	4.26	602.19	0.07	14.72	0.77	159.29
Last 5	11:40:12	1202.58	23.27	4.26	600.41	0.10	14.72	1.15	161.19
Last 5	11:45:12	1502.58	23.34	4.26	594.00	0.15	14.72	1.28	161.55
Last 5	11:50:12	1802.58	23.34	4.27	580.58	0.62	14.73	1.27	162.29
Last 5	11:55:12	2102.58	23.25	4.28	570.15	0.44	14.73	1.19	162.27
Variance 0			0.07	0.00	-6.41			0.13	0.36
Variance 1			0.00	0.01	-13.42			-0.01	0.74
Variance 2			-0.09	0.01	-10.43			-0.08	-0.02

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 15:32:04

Project Information:		Pump Information:	
Operator Name	D. Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	22.79 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	22.79 ft

Well Information:		Pumping Information:	
Well ID	SGWC-21	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.5857214 L
Well Total Depth	27.79 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.28 in
Depth to Water	1.15 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:10:03	600.02	23.42	6.24	542.75	4.47	1.32	0.48	178.80
Last 5	15:15:03	900.02	23.29	6.26	543.85	4.12	1.33	0.38	163.24
Last 5	15:20:03	1200.02	23.20	6.26	545.53	3.33	1.33	0.32	137.58
Last 5	15:25:03	1500.02	23.25	6.24	546.34	3.46	1.33	0.35	122.53
Last 5	15:30:03	1800.02	22.89	6.26	545.06	3.04	1.34	0.31	109.51
Variance 0			-0.09	0.00	1.68			-0.05	-25.66
Variance 1			0.04	-0.01	0.81			0.02	-15.05
Variance 2			-0.36	0.01	-1.28			-0.04	-13.02

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 14:17:47

Project Information:		Pump Information:	
Operator Name	D Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	44.20 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.20 ft

Well Information:		Pumping Information:	
Well ID	SGWC-22	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.6812834 L
Well Total Depth	52.6 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	38.28 in
Depth to Water	27.15 ft	Total Volume Pumped	9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:55:01	600.02	20.17	5.71	365.20	5.22	30.10	0.23	30.31
Last 5	14:00:01	900.02	20.04	5.76	365.40	5.52	30.10	0.32	41.86
Last 5	14:05:01	1200.02	20.17	5.77	365.36	5.05	30.27	0.32	61.86
Last 5	14:10:01	1500.09	20.17	5.77	366.19	4.26	30.35	0.30	80.86
Last 5	14:15:01	1800.05	20.21	5.76	367.35	4.68	30.34	0.27	102.42
Variance 0			0.13	0.01	-0.04			-0.00	20.00
Variance 1			0.00	-0.01	0.83			-0.02	19.00
Variance 2			0.04	-0.01	1.17			-0.03	21.56

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 11:32:26

Project Information:		Pump Information:	
Operator Name	D Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	44.25 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	44.25 ft

Well Information:		Pumping Information:	
Well ID	SGWC-23	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.6815065 L
Well Total Depth	52.60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3 in
Depth to Water	31.02 ft	Total Volume Pumped	7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:10:24	300.03	20.25	6.12	307.21	1.82	31.30	1.59	69.17
Last 5	11:15:24	600.02	19.90	6.08	311.55	2.45	31.41	2.06	65.89
Last 5	11:20:24	900.02	19.85	6.02	301.63	3.98	31.42	3.08	63.58
Last 5	11:25:24	1200.02	21.04	6.00	297.14	4.27	31.29	3.29	63.19
Last 5	11:30:24	1500.02	21.19	6.01	296.13	4.55	31.27	3.26	64.62
Variance 0			-0.04	-0.06	-9.92			1.02	-2.31
Variance 1			1.19	-0.02	-4.49			0.21	-0.39
Variance 2			0.15	0.00	-1.01			-0.03	1.43

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-08-18 10:38:08

Project Information:		Pump Information:	
Operator Name	D Cox	Pump Model/Type	QED Well Wizard
Company Name	Golder Associates	Tubing Type	polyethylene
Project Name	166235021	Tubing Diameter	0.170 in
Site Name	Plant Scherer	Tubing Length	34.9 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	465016		
Turbidity Make/Model	LaMotte 2020we	Pump placement from TOC	34.9 ft

Well Information:		Pumping Information:	
Well ID	SGWA-24	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.6397735 L
Well Total Depth	42.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	7.32 in
Depth to Water	14.71 ft	Total Volume Pumped	5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:20:22	300.05	19.72	6.48	147.66	4.32	15.30	2.81	52.56
Last 5	10:25:22	600.03	19.19	6.45	149.98	3.62	15.32	2.13	50.09
Last 5	10:30:22	900.02	19.14	6.45	150.01	4.12	15.32	2.07	49.98
Last 5	10:35:22	1200.02	19.14	6.45	150.09	4.24	15.32	2.04	47.89
Last 5 Variance 0			-0.54	-0.02	2.32			-0.69	-2.47
Variance 1			-0.05	-0.00	0.03			-0.06	-0.11
Variance 2			0.00	-0.00	0.08			-0.03	-2.09

Notes

Grab Samples

Low-Flow Test Report:

Test Date / Time: 8/17/2021 3:15:04 PM
Project: Plant Scherer 166235021 (3)
Operator Name: C. Tidwell

Location Name: SGWA-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38 ft** **Total Depth: 48 ft** **Initial Depth to Water: 26.8 ft**	**Pump Type: QED dedicated** **Tubing Type: Polyethylene** **Pump Intake From TOC: 39.75 ft** **Estimated Total Volume Pumped: 11586.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/17/2021 3:15 PM	00:00	6.51 pH	21.77 °C	96.61 µS/cm	6.08 mg/L		148.9 mV	26.80 ft	200.00 ml/min
8/17/2021 3:15 PM	00:20	6.29 pH	21.19 °C	93.65 µS/cm	5.36 mg/L		121.2 mV	26.80 ft	200.00 ml/min
8/17/2021 3:20 PM	05:20	6.11 pH	20.90 °C	111.81 µS/cm	2.34 mg/L	2.17 NTU	108.6 mV	26.95 ft	200.00 ml/min
8/17/2021 3:25 PM	10:20	6.10 pH	20.84 °C	106.97 µS/cm	2.11 mg/L	1.54 NTU	100.8 mV	26.95 ft	200.00 ml/min
8/17/2021 3:30 PM	15:20	6.12 pH	20.75 °C	102.80 µS/cm	2.42 mg/L	3.19 NTU	131.0 mV	26.95 ft	200.00 ml/min
8/17/2021 3:35 PM	20:20	6.13 pH	20.66 °C	101.01 µS/cm	2.19 mg/L	1.21 NTU	97.7 mV	26.95 ft	200.00 ml/min
8/17/2021 3:40 PM	25:20	6.12 pH	20.64 °C	105.81 µS/cm	1.73 mg/L	1.04 NTU	131.6 mV	26.96 ft	200.00 ml/min
8/17/2021 3:45 PM	30:20	6.11 pH	20.61 °C	102.44 µS/cm	2.06 mg/L	0.86 NTU	130.9 mV	26.96 ft	200.00 ml/min
8/17/2021 3:50 PM	35:20	6.07 pH	20.28 °C	82.08 µS/cm	2.68 mg/L	0.88 NTU	141.2 mV	26.96 ft	200.00 ml/min
8/17/2021 3:55 PM	40:20	6.09 pH	20.08 °C	81.60 µS/cm	5.10 mg/L	0.75 NTU	104.5 mV	26.96 ft	200.00 ml/min
8/17/2021 3:57 PM	42:13	6.04 pH	20.39 °C	100.36 µS/cm	5.07 mg/L	0.75 NTU	131.2 mV	26.96 ft	200.00 ml/min
8/17/2021 4:02 PM	47:13	6.05 pH	23.14 °C	108.12 µS/cm	1.77 mg/L	0.81 NTU	135.2 mV	26.96 ft	200.00 ml/min
8/17/2021 4:07 PM	52:13	6.07 pH	23.97 °C	105.11 µS/cm	1.77 mg/L	0.83 NTU	95.6 mV	26.97 ft	200.00 ml/min
8/17/2021 4:08 PM	52:56	6.08 pH	24.00 °C	104.99 µS/cm	1.75 mg/L	0.83 NTU	123.4 mV	26.97 ft	200.00 ml/min
8/17/2021 4:13 PM	57:56	6.08 pH	23.91 °C	98.53 µS/cm	1.77 mg/L		100.7 mV	26.97 ft	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 8/20/2021 9:02:31 AM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-13S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.1 ft** **Total Depth: 48.1 ft** **Initial Depth to Water: 31.6 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/20/2021 9:02 AM	00:00	6.25 pH	24.52 °C	63.70 µS/cm	7.73 mg/L	12.70 NTU	95.6 mV	31.60 ft	200.00 ml/min
8/20/2021 9:07 AM	05:00	5.02 pH	21.42 °C	58.11 µS/cm	0.93 mg/L	4.15 NTU	68.5 mV	31.70 ft	200.00 ml/min
8/20/2021 9:12 AM	10:00	5.02 pH	20.88 °C	58.47 µS/cm	0.70 mg/L	2.76 NTU	66.7 mV	31.70 ft	200.00 ml/min
8/20/2021 9:17 AM	15:00	5.02 pH	20.74 °C	58.61 µS/cm	0.58 mg/L	2.47 NTU	66.6 mV	31.70 ft	200.00 ml/min
8/20/2021 9:22 AM	20:00	5.03 pH	20.69 °C	58.69 µS/cm	0.48 mg/L	2.29 NTU	65.8 mV	31.70 ft	200.00 ml/min
8/20/2021 9:27 AM	25:00	5.03 pH	20.63 °C	58.95 µS/cm	0.42 mg/L	2.08 NTU	66.0 mV	31.70 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-13S	

Low-Flow Test Report:

Test Date / Time: 8/18/2021 3:25:12 PM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-14I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 88.25 ft** **Total Depth: 98.25 ft** **Initial Depth to Water: 26.56 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 93 ft** **Estimated Total Volume Pumped: 3163.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.75 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/18/2021 3:25 PM	00:00	6.81 pH	22.93 °C	176.52 µS/cm	1.14 mg/L	1.58 NTU	59.9 mV	26.56 ft	200.00 ml/min
8/18/2021 3:26 PM	00:49	6.78 pH	22.17 °C	179.21 µS/cm	0.87 mg/L	1.58 NTU	55.1 mV	26.56 ft	200.00 ml/min
8/18/2021 3:31 PM	05:49	6.55 pH	20.97 °C	177.45 µS/cm	0.48 mg/L	1.38 NTU	43.0 mV	27.31 ft	200.00 ml/min
8/18/2021 3:36 PM	10:49	6.46 pH	20.68 °C	175.42 µS/cm	0.47 mg/L	1.06 NTU	40.6 mV	27.31 ft	200.00 ml/min
8/18/2021 3:41 PM	15:49	6.45 pH	20.57 °C	174.63 µS/cm	0.22 mg/L	1.13 NTU	41.0 mV	27.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-14I	

Low-Flow Test Report:

Test Date / Time: 8/18/2021 4:10:40 PM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-14S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.25 ft** **Total Depth: 48.25 ft** **Initial Depth to Water: 25.84 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/18/2021 4:10 PM	00:00	5.79 pH	27.24 °C	52.79 µS/cm	4.72 mg/L	1.06 NTU	57.7 mV	25.84 ft	200.00 ml/min
8/18/2021 4:15 PM	05:00	5.40 pH	21.83 °C	52.50 µS/cm	0.45 mg/L	1.10 NTU	63.8 mV	25.85 ft	200.00 ml/min
8/18/2021 4:20 PM	10:00	5.38 pH	21.37 °C	52.12 µS/cm	0.31 mg/L	0.85 NTU	68.9 mV	25.85 ft	200.00 ml/min
8/18/2021 4:25 PM	15:00	5.40 pH	21.19 °C	53.73 µS/cm	0.30 mg/L	0.76 NTU	71.1 mV	25.85 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-14S	

Low-Flow Test Report:

Test Date / Time: 8/19/2021 11:47:08 AM
Project: Plant Scherer 166235021 (10)
Operator Name: C. Tidwell

Location Name: PZ-25S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 48.05 ft** **Total Depth: 58.05 ft** **Initial Depth to Water: 39.95 ft**	**Pump Type: QED bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 53 ft** **Estimated Total Volume Pumped: 8550 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 190 ml/min** **Final Draw Down: 0.94 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/19/2021 11:47 AM	00:00	5.44 pH	22.58 °C	31.33 µS/cm	8.02 mg/L	19.00 NTU	198.3 mV	39.95 ft	200.00 ml/min
8/19/2021 11:52 AM	05:00	5.29 pH	22.40 °C	31.72 µS/cm	6.58 mg/L	15.10 NTU	149.4 mV	41.10 ft	200.00 ml/min
8/19/2021 11:57 AM	10:00	5.21 pH	24.24 °C	32.22 µS/cm	5.97 mg/L	11.60 NTU	142.8 mV	40.73 ft	190.00 ml/min
8/19/2021 12:02 PM	15:00	5.05 pH	23.17 °C	31.78 µS/cm	3.61 mg/L	11.16 NTU	134.7 mV	40.81 ft	190.00 ml/min
8/19/2021 12:07 PM	20:00	5.07 pH	22.84 °C	31.34 µS/cm	3.69 mg/L	8.84 NTU	129.1 mV	40.84 ft	190.00 ml/min
8/19/2021 12:12 PM	25:00	5.04 pH	22.68 °C	31.07 µS/cm	3.35 mg/L	6.39 NTU	126.2 mV	40.85 ft	190.00 ml/min
8/19/2021 12:17 PM	30:00	5.02 pH	23.43 °C	30.73 µS/cm	3.04 mg/L	4.46 NTU	124.6 mV	40.87 ft	190.00 ml/min
8/19/2021 12:22 PM	35:00	5.04 pH	23.33 °C	30.30 µS/cm	2.81 mg/L	3.81 NTU	121.5 mV	40.88 ft	190.00 ml/min
8/19/2021 12:27 PM	40:00	5.02 pH	23.16 °C	30.05 µS/cm	2.67 mg/L	2.92 NTU	118.5 mV	40.88 ft	190.00 ml/min
8/19/2021 12:32 PM	45:00	5.01 pH	22.71 °C	29.53 µS/cm	2.59 mg/L	2.77 NTU	115.7 mV	40.89 ft	190.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/19/2021 11:27:13 AM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-39S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70 ft** **Total Depth: 80 ft** **Initial Depth to Water: 36.33 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 75 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.86 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/19/2021 11:27 AM	00:00	6.92 pH	26.27 °C	203.39 µS/cm	2.72 mg/L	3.76 NTU	51.5 mV	36.33 ft	200.00 ml/min
8/19/2021 11:32 AM	05:00	6.74 pH	21.59 °C	223.85 µS/cm	0.63 mg/L	2.93 NTU	49.6 mV	37.00 ft	200.00 ml/min
8/19/2021 11:37 AM	10:00	6.72 pH	21.01 °C	224.08 µS/cm	0.41 mg/L	3.06 NTU	46.0 mV	37.13 ft	200.00 ml/min
8/19/2021 11:42 AM	15:00	6.70 pH	20.96 °C	223.95 µS/cm	0.31 mg/L	2.26 NTU	44.3 mV	37.19 ft	200.00 ml/min
8/19/2021 11:47 AM	20:00	6.68 pH	20.94 °C	223.52 µS/cm	0.27 mg/L	2.57 NTU	35.1 mV	37.19 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-39S	

Low-Flow Test Report:

Test Date / Time: 8/19/2021 1:13:38 PM
Project: Plant Scherer 166235021 (11)
Operator Name: C. Tidwell

Location Name: PZ-41S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.42 ft** **Total Depth: 47.42 ft** **Initial Depth to Water: 29.7 ft**	**Pump Type: QED Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 42.5 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 2.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

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	+/- 0.3	
8/19/2021 1:13 PM	00:00	5.92 pH	23.77 °C	942.70 µS/cm	2.17 mg/L	88.40 NTU	155.5 mV	29.70 ft	200.00 ml/min
8/19/2021 1:18 PM	05:00	5.93 pH	21.55 °C	954.73 µS/cm	2.20 mg/L	31.10 NTU	132.9 mV	32.05 ft	200.00 ml/min
8/19/2021 1:23 PM	10:00	5.92 pH	21.77 °C	943.49 µS/cm	2.07 mg/L	11.30 NTU	86.1 mV	32.05 ft	180.00 ml/min
8/19/2021 1:28 PM	15:00	5.91 pH	21.76 °C	935.24 µS/cm	1.93 mg/L	8.54 NTU	104.5 mV	32.07 ft	180.00 ml/min
8/19/2021 1:33 PM	20:00	5.91 pH	21.70 °C	917.89 µS/cm	1.88 mg/L	4.78 NTU	76.0 mV	32.07 ft	180.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/18/2021 11:02:57 AM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-43S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.91 ft** **Total Depth: 53.91 ft** **Initial Depth to Water: 23.78 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 11000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/18/2021 11:02 AM	00:00	6.60 pH	25.86 °C	453.40 µS/cm	7.66 mg/L	2.13 NTU	139.2 mV	23.78 ft	200.00 ml/min
8/18/2021 11:07 AM	05:00	6.56 pH	20.48 °C	460.49 µS/cm	3.32 mg/L	2.05 NTU	80.6 mV	25.15 ft	200.00 ml/min
8/18/2021 11:12 AM	10:00	6.56 pH	19.94 °C	463.71 µS/cm	3.21 mg/L	2.17 NTU	88.2 mV	25.56 ft	200.00 ml/min
8/18/2021 11:17 AM	15:00	6.54 pH	19.85 °C	463.42 µS/cm	2.98 mg/L	1.94 NTU	80.8 mV	25.80 ft	200.00 ml/min
8/18/2021 11:22 AM	20:00	6.50 pH	19.77 °C	461.98 µS/cm	2.52 mg/L	1.89 NTU	90.0 mV	25.95 ft	200.00 ml/min
8/18/2021 11:27 AM	25:00	6.47 pH	19.89 °C	461.42 µS/cm	2.76 mg/L	1.61 NTU	82.7 mV	25.99 ft	200.00 ml/min
8/18/2021 11:32 AM	30:00	6.44 pH	19.85 °C	459.20 µS/cm	2.43 mg/L	1.25 NTU	91.9 mV	26.03 ft	200.00 ml/min
8/18/2021 11:37 AM	35:00	6.40 pH	19.90 °C	459.24 µS/cm	2.43 mg/L	0.91 NTU	84.0 mV	26.06 ft	200.00 ml/min
8/18/2021 11:42 AM	40:00	6.38 pH	19.91 °C	455.97 µS/cm	2.04 mg/L	1.36 NTU	92.8 mV	26.06 ft	200.00 ml/min
8/18/2021 11:47 AM	45:00	6.36 pH	19.85 °C	453.44 µS/cm	1.83 mg/L	1.22 NTU	93.5 mV	26.06 ft	200.00 ml/min
8/18/2021 11:52 AM	50:00	6.36 pH	19.93 °C	453.92 µS/cm	1.78 mg/L	0.96 NTU	84.7 mV	26.06 ft	200.00 ml/min
8/18/2021 11:57 AM	55:00	6.35 pH	19.99 °C	452.21 µS/cm	1.81 mg/L	0.91 NTU	92.5 mV	26.06 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/18/2021 1:53:40 PM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-44I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 107.2 ft** **Total Depth: 117.2 ft** **Initial Depth to Water: 19.91 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 112 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

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	+/- 0.3	
8/18/2021 1:53 PM	00:00	6.60 pH	30.78 °C	174.97 µS/cm	1.87 mg/L	5.00 NTU	48.6 mV	19.91 ft	200.00 ml/min
8/18/2021 1:58 PM	05:00	6.55 pH	23.02 °C	195.58 µS/cm	0.75 mg/L	3.45 NTU	32.6 mV	21.14 ft	200.00 ml/min
8/18/2021 2:03 PM	10:00	6.55 pH	22.46 °C	196.35 µS/cm	0.61 mg/L	3.11 NTU	24.7 mV	21.33 ft	200.00 ml/min
8/18/2021 2:08 PM	15:00	6.53 pH	22.12 °C	195.37 µS/cm	0.36 mg/L	3.95 NTU	21.2 mV	21.49 ft	200.00 ml/min
8/18/2021 2:13 PM	20:00	6.51 pH	22.07 °C	193.89 µS/cm	0.50 mg/L	3.22 NTU	17.4 mV	21.55 ft	200.00 ml/min
8/18/2021 2:18 PM	25:00	6.50 pH	22.08 °C	191.89 µS/cm	0.39 mg/L	2.99 NTU	15.2 mV	21.58 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-44I	

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:	920	1315	0800	

Parameter	Units	Standard	SmarTROLL SN 646730 iPad # 28	SmarTROLL SN ____ iPad # ____	SmarTROLL SN 646736 iPad # 28	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	97.1		97.1	
Conductivity	us/cm	4490	3971		4284	
pH	S.U.	4.00	4.41		4.50	
pH	S.U.	7.00	7.16	7.07	7.03	
pH	S.U.	10.00	9.84		9.98	
ORP	mV	228.00	218.8		210.3	

Turbidity	Units	Standard	LaMotte SN 4792-4416	LaMotte SN ____	LaMotte SN 4792-4416	LaMotte SN ____
	NTU	0.0	0.02		0.01	
	NTU	1.0	1.08		1.20	
	NTU	10.0	9.96		8.99	

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

Daily Calibration Log

Project Plant Scherer
Field Staff K. Minkara / A. McClure / D. Thomas

Incude daily mid-day pH check

Instrument Calibration

Date: 2/9/21 2/10/21
Time: 0745 0740

Parameter	Units	Standard	SmarTROLL SN 642533 iPad # 16	SmarTROLL SN 642633 iPad # 16	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	4.02		
pH	S.U.	7.00	7.22 (7.10)	7.19		
pH	S.U.	10.00	9.95	9.98		
ORP	mV	228.00	232.7	238.6		

MID-DAY PH
2/9/21
- pH = 7.07
@ 12:04
using 7.00 (Model)

Turbidity	Units	Standard	LaMotte SN 1603-4411	LaMotte SN 1603-4411	LaMotte SN ____	LaMotte SN ____
	NTU	0.0	0.01	0.0		
	NTU	1.0	0.93	1.0		
	NTU	10.0	9.92	10.02		

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

GOLDER

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 646777 iPad # 32	SmarTROLL SN 646777 iPad # 32	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	92.4			
Conductivity	us/cm	4490	4494			
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 5856-335	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: 0813

Parameter	Units	Standard	SmarTROLL SN 646777 iPad # 32	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	93.2			
Conductivity	us/cm	4490	4439			
pH	S.U.	4.00	4.57			
pH	S.U.	7.00	7.36			
pH	S.U.	10.00	10.01			
ORP	mV	228.00	227.3			

Turbidity	Units	Standard	LaMotte SN 5856-335	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

GOLDER

Project Plant Scherer **Incude daily mid-day pH check**
Field Staff D. Thomas / A. McClure / J. Guenneville / E. Rheams / WAVESPACK

Instrument Calibration

Date: 4/1/21
Time: 0750

Parameter	Units	Standard	SmarTROLL SN 228560 iPad # 114	SmarTROLL SN ____ iPad # ____	SmarTROLL SN 228510 iPad # 110	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	101.7%		106.6%	
Conductivity	us/cm	4490	4296		4530	
pH	S.U.	4.00	3.98	4.01	4.03	
pH	S.U.	7.00	7.14		7.04	7.07
pH	S.U.	10.00	10.10		10.07	
ORP	mV	228.00	232.1		228.6	

	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
Turbidity	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 4/2/21
Time: 0745

Parameter	Units	Standard	SmarTROLL SN 228560 iPad # 110	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	99.6%			
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	10.12			
ORP	mV	228.00	229.9			

	Units	Standard	LaMotte SN 3342-1101	LaMotte SN 2294-2602	LaMotte SN 1438-1911	LaMotte SN ____
Turbidity	NTU	0.0	0.0	0.0	0.01	
	NTU	1.0	1.01	1.01	1.01	
	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

GOLDER

Include daily mid-day pH check

Project: Plant Scherer
Field Staff: D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Parameter	Units	Standard	Date: 4/5/21 Time: 0940 SmarTROLL SN 128550 iPad # 110	Date: 4/5/21 Time: 0955 SmarTROLL SN 128541 iPad # 77	Date: 4/6/21 Time: 0750 SmarTROLL SN 128550 iPad # 110	Date: 4/6/21 Time: 0808 SmarTROLL SN 128541 iPad # 77
DO	% saturation	100	107.41	99.91	92.85	100.35
Conductivity	us/cm	4490	4515.0	4584.5	4585	4504.5
pH	S.U.	4.00	4.05	4.03	4.04	4.02
pH	S.U.	7.00	1.04/7.07 NC	7.07	7.03	7.04
pH	S.U.	10.00	10.05	10.07	10.07	10.04
ORP	mV	220.00	224.4	240.6	224.2	221.4

Parameter	Units	Standard	LaMotte SN 4393-1914	LaMotte SN	LaMotte SN	LaMotte SN
Turbidity	NTU	0.0	0.0			
	NTU	1.0	1.02			
	NTU	10.0	10.01			

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	220.00				

Parameter	Units	Standard	LaMotte SN ____	LaMotte SN ____	LaMotte SN ____	LaMotte SN ____
Turbidity	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

GOLDER

Daily Calibration Log

Project Plant Scherer *Incude 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	97.75		
Conductivity	us/cm	4490	4494.1	4511.5		
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	239.5		

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 728554 iPad # 77	SmarTROLL SN 728564 iPad # 72	SmarTROLL SN ______ iPad # ____	SmarTROLL SN ______ iPad # ____
DO	% saturation	100	100.02	99.98		
Conductivity	us/cm	4490	4498.5	4483.9		
pH	S.U.	4.00	4.00	4.01		
pH	S.U.	7.00	7.02	7.00		
pH	S.U.	10.00	10.09	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

GOLDER

Incude 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 728523 iPad # 99	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	99.91			
Conductivity	us/cm	4490	4437.1			
pH	S.U.	4.00	4.09			
pH	S.U.	7.00	7.04			
pH	S.U.	10.00	10.07			
ORP	mV	228.00	225.2			

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN 1438-3?0	LaMotte SN ____	LaMotte SN ____
	NTU	0.0	~~[illegible]~~ 0.03	0.06		
	NTU	1.0	1.03	0.94		
	NTU	10.0	9.97	10.04		

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

GOLDER

Project Plant Scherer **incude 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 0848 4/1/21 0815

Parameter	Units	Standard	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 647057 iPad # ___	SmarTROLL SN 728150 iPad # ___
DO	% saturation	100	101.93	100.79	~~95~~ 91.2	
Conductivity	us/cm	4490	5,310	4529.4	4489	
pH	S.U.	4.00	4.01	4.01	4.17	~~4.00~~
pH	S.U.	7.00	~~7.09~~ 7/21	6.98	6.94	
pH	S.U.	10.00	10.45	10.00	9.89	
ORP	mV	228.00	233.9	19.39	234.8	

Turbidity	Units	Standard	LaMotte SN 1438-5911	LaMotte SN 710-0711	LaMotte SN 4392-1919	LaMotte SN 2289-2612
	NTU	0.0	-0.04	0.02	0.0	0.01
	NTU	1.0	1.45	1.12	0.99	0.32
	NTU	10.0	10.76	14.90	10.02	10.30

Date:
Time: 4/1/21 0941

Parameter	Units	Standard	SmarTROLL SN 2289-2612 iPad # ___	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN ___ iPad # ___	SmarTROLL SN ___ iPad # ___
DO	% saturation	100		99.92		
Conductivity	us/cm	4490		4498.1		
pH	S.U.	4.00		4.00		
pH	S.U.	7.00		7.06		
pH	S.U.	10.00		10.06		
ORP	mV	228.00		239.7		

Turbidity	Units	Standard	LaMotte SN 2289-2612	LaMotte SN 710-0711	LaMotte SN 4392-1919	LaMotte SN 1438-5911
	NTU	0.0	0.0	-0.12	-0.01	0.05
	NTU	1.0	0.32	0.98	1.06	1.02
	NTU	10.0	11.27	12.9	9.67	8.03

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

GOLDER

Daily Calibration Log

Incude 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				

4/11/21 0930

Turbidity	Units	Standard	LaMotte SN 1437-918	LaMotte SN 4239-2612	LaMotte SN 710-0711	LaMotte SN 4392-1914
	NTU	0.0	-0.01	0.09	0.01	-0.09
	NTU	1.0	1.01	1.29	0.71	1.24
	NTU	10.0	10.98	10.53	12.40	9.56

Date:
Time:

Parameter	Units	Standard	SmarTROLL SN 738621 iPad # 79	SmarTROLL SN ___ iPad # ___	SmarTROLL SN ___ iPad # ___	SmarTROLL SN ___ iPad # ___
DO	% saturation	100	100.27			
Conductivity	us/cm	4490	4536.6			
pH	S.U.	4.00	4.03			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.07			
ORP	mV	228.00	221.1			

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN 4392-1914	LaMotte SN ___	LaMotte SN ___
	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

GOLDER

Daily Calibration Log

Project Plant Scherer **Incude 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 728510 iPad # 72	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	99.9	101.72		
Conductivity	us/cm	4490	4414.9	4346.1		
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	232.3		

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: 0710

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 110	SmarTROLL SN 728565 iPad # ____	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	100.4%	97.8%		
Conductivity	us/cm	4490	4331.2	4416.8		
pH	S.U.	4.00	4.05	4.01		
pH	S.U.	7.00	7.01	7.03		
pH	S.U.	10.00	10.11	10.06		
ORP	mV	228.00	231.0	241.3		

Turbidity	Units	Standard	LaMotte SN 28-1211	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

GOLDER

Include daily mid-day pH check

Project Plant Scherer
Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/04/21
Time: 0715

Parameter	Units	Standard	SmarTROLL SN 728622 iPad # 22	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.98			
Conductivity	us/cm	4490	4523.7			
pH	S.U.	4.00	4.01			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.08			
ORP	mV	228.00	231.1			

Turbidity	Units	Standard	LaMotte SN 70-6711	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01			
	NTU	1.0	0.94			
	NTU	10.0	10.14			

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

GOLDER

Daily Calibration Log

Project: Plant Scherer **Include daily mid-day pH check**
Field Staff: D. Thomas / A. McClure / J. Quenneville / E. Rhearns

Instrument Calibration

Date: 04/07/21
Time: 0900

Parameter	Units	Standard	SmarTROLL SN 748237 iPad # 99	SmarTROLL SN 726991 iPad # 77	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100				
Conductivity	us/cm	4490	4511.0	4550.0		
pH	S.U.	4.00	4.01	4.01		
pH	S.U.	7.00	7.02	6.99		
pH	S.U.	10.00	9.97	10.01		
ORP*	mV	228.00	225.7	226.3		

	Units	Standard	LaMotte SN TB-9711	LaMotte SN 9721-1914	LaMotte SN	LaMotte SN
Turbidity	NTU	0.0	0.07	0.02		
	NTU	1.0	0.78	1.01		
	NTU	10.0	9.45	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				

	Units	Standard	LaMotte SN ____	LaMotte SN ____	LaMotte SN ____	LaMotte SN ____
Turbidity	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

GOLDER

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	229.00				

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

GOLDER

March-April 2021

Daily Calibration Log

166235021

Project Plant Scherer *"Include daily mid-day pH check"*
Field Staff D. Thomas / A. McClure / J. Guenneville / E. Rheams

Instrument Calibration

Date: 4/7-8/21
Time: 1100

Parameter	Units	Standard	SmarTROLL SN 12180 iPad # 1	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	101.4			
Conductivity	us/cm	4490	7801			
pH	S.U.	4.00	4.02			
pH	S.U.	7.00	6.98			
pH	S.U.	10.00	[illegible]			
ORP	mV	228.00	229.9			

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

GOLDER

March-April 2021 **Daily Calibration Log** 168235021

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	220.00				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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	220.00				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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

GOLDER

Daily Calibration Log

Project: Plant Scherer *"Include daily mid-day pH check"*
Field Staff: J.Waguespack / E. Rheams / D. Cox / N. Tejeda / A. McClure

Instrument Calibration

Parameter	Units	Standard	Date: 8/10/21 Time: 0845 SmarTROLL SN 512733 iPad # 91	SmarTROLL SN 513333 iPad # 92	08/11/21 SmarTROLL SN 512733 iPad # 92	08/12/21 SmarTROLL SN 512733 iPad # 92
DO	% saturation	100	100.6	95.9	97.9	98.5
Conductivity	us/cm	4490	4623	4348	4493	4503
pH	S.U.	4.00	4.15	4.15	4.16	4.17
pH	S.U.	7.00	7.05	6.98	7.12	7.13
pH	S.U.	10.00	9.90	9.76	10.02	10.02
ORP	mV	228.00	216.4	219.9	216.1	216.5

Turbidity	Units	Standard	LaMotte SN 4392-1914	LaMotte SN 2944-0415	LaMotte SN 4392-1714	LaMotte SN 4392-1713
	NTU	0.0	0.0	0.0	0.0	0.0
	NTU	1.0	0.99	0.99	1.22	1.02
	NTU	10.0	10.02	10.00	7.53	7.63

MID DAY pH

Parameter	Units	Standard	Date: 08/11/21 12:32 SmarTROLL SN 512733 iPad # 91	08/12/21 13:04 SmarTROLL SN 513333 iPad # 92	08/13/21 08:10 SmarTROLL SN 512733 iPad # 92	08/14/21 08:43 SmarTROLL SN 228638 iPad # 92
DO	% saturation	100	-	-	96.6%	100.6%
Conductivity	us/cm	4490	-	-	4467	4498.2
pH	S.U.	4.00	4.20	-	4.20	4.27 4.21
pH	S.U.	7.00	-	7.02	7.10	7.05
pH	S.U.	10.00	-	-	9.97	10.14
ORP	mV	228.00	-	-	216.2	224.7

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN 1422-1911	LaMotte SN 2283-2612
	NTU	0.0			<0.01	< 0.01
	NTU	1.0			1.12	1.02
	NTU	10.0			9.97	9.94

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

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Daily Calibration Log

Include daily mid-day pH check

Project: Plant Scherer
Field Staff: J.Waguespack / E. Rheams / D. Cox / N. Tejeda

Instrument Calibration

Date:	08-19-21	08-20-21
Time:	08:56	07:20

Parameter	Units	Standard	SmarTROLL SN 728638 iPad # 72	SmarTROLL SN 728638 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.0%	103.9		
Conductivity	us/cm	4490	4582.3	4489.8		
pH	S.U.	4.00	4.00	4.03		
pH	S.U.	7.00	6.97	7.04		
pH	S.U.	10.00	9.92	10.04		
ORP*	mV	228.00	228.7	228.5		

Turbidity	Units	Standard	LaMotte SN 2283-2612	LaMotte SN 2285-2612	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	0.00		
	NTU	1.0	1.11	1.20		
	NTU	10.0	9.19	9.08		

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

August 2021

Daily Calibration Log

160235021.100.02 - AP1, PZs, North Property
160235021.200.02 - Cell 1, PAC Asn, Cell 3

Project: Plant Scherer *"Include daily mid-day pH check"*
Field Staff: J.Waguespack / T. Rheams / D. Cox / N. Tejeda

Instrument Calibration

			Date:	08/10/21	08/11/21	08/12/21
			Time:	1000	0745	0900
Parameter	**Units**	**Standard**	SmarTROLL SN 908816 iPad # 93	SmarTROLL SN 905816 iPad # 93	SmarTROLL SN 905816 iPad # 93	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	98.5%	99.2%	100.3%	
Conductivity	us/cm	4490	4466	4519	4481	
pH	S.U.	4.00	4.07	4.10	4.17	
pH	S.U.	7.00	7.00	6.99	6.99	
pH	S.U.	10.00	9.86	9.83	9.80	
ORP	mV	228.00	218.1	217.2	217.3	
				Adj: 9.12	Adj: 7.01	

Turbidity	**Units**	**Standard**	LaMotte SN 1979	LaMotte SN 1979	LaMotte SN 1979	LaMotte SN ____
	NTU	0.0	0.00	0.00	-0.09	
	NTU	1.0	1.05	1.07	1.08	
	NTU	10.0	10.04	9.99	10.13	

			Date:	08/13/21	08/14/21	08/19/21	08/20/21
			Time:	0900	0900	0900	0800
Parameter	**Units**	**Standard**	SmarTROLL SN 591719 iPad # 92	SmarTROLL SN 512713 iPad # 91	SmarTROLL SN 512713 iPad # 91	SmarTROLL SN 512713 iPad # 91
DO	% saturation	100	91.5	96.2	95.7	95.7
Conductivity	us/cm	4490	4457	4962	5140	6124
pH	S.U.	4.00	4.29	4.28	4.28	4.10
pH	S.U.	7.00	7.04	7.13	7.08	7.07
pH	S.U.	10.00	9.82	9.95	9.93	9.86
ORP	mV	228.00	217.0	216.8	219.3	210.5
			Adj: 9.87	Adj: 9.23	Adj: 7.12	

Turbidity	**Units**	**Standard**	LaMotte SN 1979 - 4011	LaMotte SN 1979-4011	LaMotte SN 1979-4011	LaMotte SN 1979-4011
	NTU	0.0	-0.02	-0.00	-0.00	0.07
	NTU	1.0	1.02	0.95	0.99	1.00
	NTU	10.0	10.00	9.99	9.96	10.00

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

GOLDER
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August 2021

Daily Calibration Log

Include daily mid-day pH check

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / D. Cox / N. Tejeda

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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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

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August 2021

Daily Calibration Log

160235021.100.02 - AP1, PZs, North Property
160235021.200.02 - Cell 1, PAC Ash, Cell 3

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / C. Cox / N. Tejeda

Include daily mid-day pH check

Instrument Calibration

Date:		8/11/21	8/12/21	8/13/21	8/14/21	
Time:		830	900	800	800	
Parameter	Units	Standard	SmarTROLL SN 541274 iPad # 91	SmarTROLL SN 541274 iPad # 91	SmarTROLL SN 541274 iPad # 91	SmarTROLL SN 405016 iPad # 93
DO	% saturation	100	92.0	92.0	100.4	99.4
Conductivity	us/cm	4490	4564	4384	4472	4614
pH	S.U.	4.00	4.15	4.14	4.10	4.21
pH	S.U.	7.00	7.01	7.02	6.99	6.97
pH	S.U.	10.00	10.08	9.78	9.79	9.77
ORP	mV	228.00	217.9	217.0	217.3	219.4

	Units	Standard	LaMotte SN 2949	LaMotte SN 2949	LaMotte SN 2949	LaMotte SN 2949
Turbidity	NTU	0.0	-0.01	-0.00	0.01	0.0
	NTU	1.0	0.78	0.81	0.75	1.13
	NTU	10.0	10.03	10.03	10.42	9.73

Date:		8/15/21	8/16/21	8/17/21	8/18/21	
Time:		900	900	800	830	
Parameter	Units	Standard	SmarTROLL SN 405016 iPad # 93	SmarTROLL SN 405016 iPad # 93	SmarTROLL SN ____ iPad # ____	SmarTROLL SN ____ iPad # ____
DO	% saturation	100	99.1	100.5		
Conductivity	us/cm	4490	4477	4493		
pH	S.U.	4.00	4.13	4.25		
pH	S.U.	7.00	6.99	6.93		
pH	S.U.	10.00	9.74	9.74		
ORP	mV	228.00	216.9	214.0		

	Units	Standard	LaMotte SN 2949	LaMotte SN 2949	LaMotte SN ____	LaMotte SN ____
Turbidity	NTU	0.0	0.0	-0.01		
	NTU	1.0	1.34	1.29		
	NTU	10.0	9.78	9.70		

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

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August 2021

Daily Calibration Log

"Include daily mid-day pH check"

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / D. Cox / N. Tejeda

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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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

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August 2021 | **Daily Calibration Log** | 166235021.100.02 - AP1, PZs, North Property; 166235021.200.02 - Cell 1, PAC Ash, Cell 3

Project: Plant Scherer — **Incude daily mid-day pH check**

Field Staff: J.Waguespack / E. Rheams / D. Cox / N. Tejeda — mid day pH check @ 1240 on 8-11-2021, pH 4.00 = 4.10

Instrument Calibration

		Date:	8/10/2021	8/11/2021	8/12/2021	8/13/2021
		Time:	930	802	809	810
Parameter	**Units**	**Standard**	**SmarTROLL SN 553835 iPad # 99**	**SmarTROLL SN 553835 iPad # 99**	**SmarTROLL SN 553835 iPad # 99**	**SmarTROLL SN 553835 iPad # 99**
DO	% saturation	100	105.1	104.1	103.1	109.8
Conductivity	us/cm	4490	4317	4475	4684	4524
pH	S.U.	4.00	4.11	4.12	4.09	4.10
pH	S.U.	7.00	7.05	7.08	7.06	7.05
pH	S.U.	10.00	9.91	9.92	9.90	9.88
ORP	mV	228.00	221.3	221.0	219.8	219.6

pH check @ 1235 on 8-12-2021 pH 4.00 - 4.02

	Units	**Standard**	**LaMotte SN 2491**	**LaMotte SN 2491**	**LaMotte SN 2491-3312**	**LaMotte SN 2491-3312**
Turbidity	NTU	0.0	-0.04	0.09	0.00	0.00
	NTU	1.0	0.97	0.90	0.99	1.06
	NTU	10.0	9.91	9.67	10.00	9.99

		Date:	8/17/2021	8/18/2021		
		Time:	809	811 541941		
Parameter	**Units**	**Standard**	**SmarTROLL SN 553835 iPad # 96**	**SmarTROLL SN ~~[illegible]~~ iPad # 99**	**SmarTROLL SN 541914 iPad # 99**	**SmarTROLL SN ___ iPad # ___**
DO	% saturation	100		97.3	91.8	
Conductivity	us/cm	4490	~~4277~~ *	4292	4296	
pH	S.U.	4.00	~~4.98~~ *	4.26	4.28	
pH	S.U.	7.00		7.15	7.13	
pH	S.U.	10.00		9.83	9.85	
ORP	mV	228.00		219.5	216.7	

pH check @ 1200 on 8-17-2021 pH - 4.00 - 4.00

pH check @ 1324 on 8-18-2021 pH 4.00 - 3.95

pH check @ 1241 on 8-19-2021 pH 4.00 - 4.09

	Units	**Standard**	**LaMotte SN 2491-3312**	**LaMotte SN 2491-3312**	**LaMotte SN 2491-3312**	**LaMotte SN ___**
Turbidity	NTU	0.0	-0.02	0.00	-0.01	
	NTU	1.0	1.11	1.10	0.99	
	NTU	10.0	9.95	9.90	9.97	

* smar troll not calibrating correctly on 8/17/2021 used another that was already.

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

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Daily Calibration Log

Incude daily mid-day pH check

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / D. Cox / N. Tejeda

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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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

GOLDER
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3, 6, 7, 8
FB-5 (@ 6)

August 2021

Daily Calibration Log

166235021.100.02 - AP1, PZs, North Property
166235021.200.02 - Cell 1, PAC Ash, Cell 3

FB-6 (@ 8)

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / D. Cox / N. Tejeda / C. T. ...

Incude daily mid-day pH check

Instrument Calibration

Date: 8/17/21 / 8/17/21 / 8/18/21 / 8/18/21
Time: 0820 / 12:30 / 08:45 / 13:00 pH check

Parameter	Units	Standard	SmarTROLL SN 980735 iPad # 91	SmarTROLL SN 980735 iPad # —	SmarTROLL SN 980735 iPad # —	SmarTROLL SN 980735 iPad # —
DO	% saturation	100	100.5	108.56	98.19	—
Conductivity	us/cm	4400	4522	4532.2	4387.1	—
pH	S.U.	4.00	4.26	3.98	3.99	3.98 (Actual)
pH	S.U.	7.00	7.13	6.96	6.99	—
pH	S.U.	10.00	9.97	9.94	9.96	
ORP	mV	228.00	216.2	229.2	228.7	

Turbidity	Units	Standard	LaMotte SN 4812-1144	LaMotte SN 4812-1144	LaMotte SN 4812-1144	LaMotte SN
	NTU	0.0	0.3	~~0.00~~ 0.01	0.01	
	NTU	1.0	1.0	~~0.00~~	0.99	
	NTU	10.0	9.85	10.01	10.01	

Date: 8/19/21
Time:

Parameter	Units	Standard	SmarTROLL SN 980735 iPad # —	SmarTROLL SN	SmarTROLL SN	SmarTROLL SN
DO	% saturation	100	99.46			
Conductivity	us/cm	4400	~~4485.7~~ 4491.6			
pH	S.U.	4.00	4.03			
pH	S.U.	7.00	7.01			
pH	S.U.	10.00	10.01			
ORP	mV	228.00	225.2			

Turbidity	Units	Standard	LaMotte SN 4812-1144	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.00			
	NTU	1.0	1.11			
	NTU	10.0	9.97			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

GOLDER MEMBER OF WSP

August 2021

Daily Calibration Log

Include daily mid-day pH check

Project Plant Scherer
Field Staff J.Waguespack / E. Rheams / D. Cox / N. Tejeda

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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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				

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	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

GOLDER
MEMBER OF WSP

APPENDIX B

ANALYTICAL RESULTS, LABORATORY ACCREDITATION & DATA VALIDATION SUMMARIES

APPENDIX B

Laboratory Analytical Data
February 2021

eurofins | Environment Testing America

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

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-117048-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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 1.7º C, 1.7º C, 2.2º C, 2.2º C, 2.3º C, 2.3º C, 2.3º C, 2.3º C, 3.1º C, 3.1º C, 3.2º C, 3.2º C, 3.2º C and 3.7º 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
Date Collected: 02/09/21 10:05
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-1
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			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
Date Collected: 02/09/21 11:01
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-2
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			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
Date Collected: 02/09/21 11:35
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-3
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			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
Date Collected: 02/09/21 12:55
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-4
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			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
Date Collected: 02/09/21 10:10
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-5
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			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
Date Collected: 02/09/21 10:30
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-6
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			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		1			346631	02/16/21 11:23	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 18:05	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 11:29	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 11:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		1			346631	02/16/21 17:55	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 16:50	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 11:30	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 12:32	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 17:06	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 17:00	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 11:31	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 14:15	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-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		1			346631	02/16/21 13:01	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 17:04	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 11:38	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 14:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		1			346632	02/16/21 20:58	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 17:08	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 11:39	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 16:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		1			346631	02/16/21 15:28	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 17:11	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 11:40	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 17:00	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-11

Lab Sample ID: 180-117048-13

Date Collected: 02/09/21 12:53

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 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

Lab Sample ID: 180-117048-14

Date Collected: 02/09/21 14:05

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			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

Lab Sample ID: 180-117048-15

Date Collected: 02/09/21 15:50

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 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		1			346631	02/16/21 14:06	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 17:26	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 11:45	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 16:26	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			346631	02/16/21 17:39	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 17:29	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 11:46	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 17:07	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		1			346632	02/16/21 21:40	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 17:40	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 11:50	KHM	TAL PIT
	Instrument ID: HGY									

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		1			346631	02/16/21 10:17	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 17:44	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 11:51	KHM	TAL PIT
	Instrument ID: HGY									

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		1			346631	02/16/21 10:34	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 17:48	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 10:27	KHM	TAL PIT
	Instrument ID: HGY									

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		1			346631	02/16/21 13:50	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 17:51	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 10:29	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/09/21 16:38	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		1			346632	02/16/21 23:03	EPS	TAL PIT
	Instrument ID: INTEGRION									

Lab Chronicle

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

Job ID: 180-117048-1

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 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

Date Collected: 02/10/21 10:55
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-2

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			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

Date Collected: 02/10/21 11:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-3

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			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

Date Collected: 02/10/21 10:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-4

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			346631	02/16/21 13:33	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 19:29	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 10:33	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 10:24	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-21

Date Collected: 02/10/21 09:28
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-5

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			346632	02/16/21 19:14	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 19:40	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 10:34	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 09:28	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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	EPA 300.0 R2.1		1			346631	02/16/21 14:22	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 19:43	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 10:35	KHM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			346556	02/10/21 10:45	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-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	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)
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	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)
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	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)
Date Collected: 02/10/21 11:00
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-10
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		1			346631	02/16/21 11:06	EPS	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-117048-1

Client Sample ID: EB-2 (AP)

Date Collected: 02/10/21 11:00
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-10

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

Job ID: 180-117048-1

Client Sample ID: SGWA-1

Date Collected: 02/09/21 10:05
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-1

Matrix: Water

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
Barium	**0.043**		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
Cobalt	**0.0013**	**J**	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	**5.25**				SU			02/09/21 10:05	1

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

Job ID: 180-117048-1

Client Sample ID: SGWA-2

Date Collected: 02/09/21 11:01
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-2

Matrix: Water

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

Job ID: 180-117048-1

Client Sample ID: SGWA-3

Date Collected: 02/09/21 11:35
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-3

Matrix: Water

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
Barium	**0.035**		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
Chromium	**0.019**		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	**5.80**				SU			02/09/21 11:35	1

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

Job ID: 180-117048-1

Client Sample ID: SGWA-4

Date Collected: 02/09/21 12:55
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-4

Matrix: Water

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

Job ID: 180-117048-1

Client Sample ID: SGWA-5

Date Collected: 02/09/21 10:10
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-5

Matrix: Water

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
Barium	**0.010**		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	**5.53**				SU			02/09/21 10:10	1

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

Job ID: 180-117048-1

Client Sample ID: SGWA-24

Date Collected: 02/09/21 10:30
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-6

Matrix: Water

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: 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

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

Date Collected: 02/09/21 12:32
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-8

Matrix: Water

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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
Barium	**0.028**		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
Cobalt	**0.030**		0.0025	0.00013	mg/L		02/18/21 05:33	02/19/21 17:11	1
Lead	**0.00013**	**J**	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
pH	**5.23**				SU			02/09/21 17:00	1

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

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
Barium	**0.043**		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
Cobalt	**0.019**		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	**5.24**				SU			02/09/21 12:53	1

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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
Barium	**0.036**		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
Cobalt	**0.0024**	**J**	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	**5.98**				SU			02/09/21 15:50	1

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

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

Job ID: 180-117048-1

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

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
Barium	**0.030**		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
Chromium	**0.012**		0.0020	0.0015	mg/L		02/18/21 05:33	02/19/21 17:29	1
Cobalt	**0.0045**		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	**5.22**				SU			02/09/21 17:07	1

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

Job ID: 180-117048-1

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

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: 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

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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
Barium	**0.046**		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
Cobalt	**0.0052**		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	**5.85**				SU			02/09/21 16:38	1

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

Client Sample ID: SGWC-18

Date Collected: 02/10/21 10:55
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-2

Matrix: Water

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

Job ID: 180-117048-1

Client Sample ID: SGWC-19

Date Collected: 02/10/21 11:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-3

Matrix: Water

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
Barium	**0.031**		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:25	1
Beryllium	**0.00019**	**J**	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
Chromium	**0.015**		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:25	1
Cobalt	**0.00013**	**J**	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	**5.55**				SU			02/10/21 11:24	1

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

Job ID: 180-117048-1

Client Sample ID: SGWC-20

Date Collected: 02/10/21 10:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-4

Matrix: Water

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

Job ID: 180-117048-1

Client Sample ID: SGWC-21

Date Collected: 02/10/21 09:28
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-5

Matrix: Water

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

Job ID: 180-117048-1

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

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
Barium	**0.078**		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
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:43	1
Cobalt	**0.0015**	**J**	0.0025	0.00013	mg/L		02/18/21 05:36	02/19/21 19:43	1
Lead	**0.00016**	**J**	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
pH	**5.58**				SU			02/10/21 10:45	1

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

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

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
Arsenic	**0.0030**		0.0010	0.00031	mg/L		02/18/21 05:36	02/19/21 19:51	1
Barium	**0.015**		0.010	0.0016	mg/L		02/18/21 05:36	02/19/21 19:51	1
Beryllium	**0.00032**	**J**	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
Chromium	**0.0099**		0.0020	0.0015	mg/L		02/18/21 05:36	02/19/21 19:51	1
Cobalt	**0.11**		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
Lithium	**0.0042**	**J**	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
Thallium	**0.00028**	**J**	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
Mercury	**0.00019**	**J**	0.00020	0.00013	mg/L		02/12/21 13:27	02/23/21 10:42	1

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

Job ID: 180-117048-1

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

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

Job ID: 180-117048-1

Client Sample ID: EB-2 (AP)

Date Collected: 02/10/21 11:00
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-10

Matrix: Water

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

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

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

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

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	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

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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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
Antimony	0.250	0.239		mg/L		96	80 - 120
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
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

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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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

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

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

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	

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	

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	

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

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	

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

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

180-117048 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)	App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
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
								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

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).**

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by:	Company: Golder	Date/Time: 2-10-21/812	Received by: Elaine Cook	Company: Courier NW	Date/Time: 2/10/21
Relinquished by:	Company: 09:30	Date/Time: 2/10/21	Received by: EFA	Company: 09:30	Date/Time: 02/10/21
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Marlene Walker	Company: FTAL H	Date/Time: 02-11-21 11:00

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

2/26/2021

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Karim Minkara	Date: 2/9/2021	COC No:
Southern Company	Tel/Fax: 248-536-5445	Lab Contact: Veronica Bortot	Carrier:	2 of 2 COCs
241 Ralph McGill Blvd SE B10185	Analysis Turnaround Time			Sampler: Golder
Atlanta, GA, 30308	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(404) 506-7239 Phone	TAT if different from Below ___			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name: GPC Plant Scherer	☐ 1 week			
Site: AP-1	☐ 2 days			Job / SDG No.:
P O # 166235021	☐ 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:
SGWC-11	2/9/2021	12:53	G	GW	6			X	X	X	pH: 5.24 ; extra radium
SGWC-12	2/9/2021	14:05	G	GW	4			X	X	X	pH: 6.13
SGWC-13	2/9/2021	15:50	G	GW	4			X	X	X	pH: 5.98
SGWC-14	2/9/2021	16:38	G	GW	4			X	X	X	pH: 5.85
SGWC-15	2/9/2021	16:26	G	GW	4			X	X	X	pH: 4.63
SGWC-16	2/9/2021	17:07	G	GW	4			X	X	X	pH: 5.22
DUP-1 (AP)	2/9/2021	--	G	GW	4			X	X	X	
FB-1 (AP)	2/9/2021	16:15	G	GW	4			X	X	X	
EB-1 (AP)	2/9/2021	10:45	G	GW	4			X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	4	1	

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:
***App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:______ Corr'd:______ Therm ID No.:______

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Golder	2-10-21/812	Nalrey Cool	Courier NOW	2/10/21
Relinquished by: [signature]	Company: 09:30	Date/Time: 2/10/21	Received by: [signature]	Company: CTA	Date/Time: 2/10/21 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature] Watson	Company: ETA Pitt	Date/Time: 2-11-21 11:00

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

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Karim Minkara	Date: 2/10/2021	COC No:
Southern Company	Tel/Fax: 248-536-5445	Lab Contact: Veronica Bortot	Carrier:	1 of 1 COCs
241 Ralph McGill Blvd SE B10185	Analysis Turnaround Time			Sampler: Golder
Atlanta, GA, 30308	☐ CALENDAR DAYS ☐ WORKING DAYS			
(404) 506-7239 Phone	TAT if different from Below ____			
FAX	☐ 2 weeks			
Project Name: GPC Plant Scherer	☐ 1 week			
Site: AP-1	☐ 2 days			
P O # 166235021	☐ 1 day			

180-117050 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)	App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
SGWC-17	2/10/2021	9:42	G	GW	6			X	X	X	pH: 6.23 ; extra radium
SGWC-18	2/10/2021	10:55	G	GW	4			X	X	X	pH: 4.80
SGWC-19	2/10/2021	11:24	G	GW	4			X	X	X	pH: 5.55
SGWC-20	2/10/2021	10:24	G	GW	4			X	X	X	pH: 4.22
SgWC-21	2/10/2021	9:28	G	GW	4			X	X	X	pH: 6.21
SGWC-22	2/10/2021	10:45	G	GW	4			X	X	X	pH: 5.58
SGWC-23	2/10/2021	9:50	G	GW	4			X	X	X	pH: 5.85
DUP-2 (AP)	2/10/2021	--	G	GW	4			X	X	X	
FB-2 (AP)	2/10/2021	9:30	G	GW	4			X	X	X	
EB-2 (AP)	2/10/2021	11:00	G	GW	4			X	X	X	
								4	4	1	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

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

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: Golder	Date/Time: 2/10/21 15:24	Received by:	Company: ENA	Date/Time: 2/10/21 15:24
Relinquished by: 2/10/21	Company: 16:00	Date/Time: EDT	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 2-11-21 14:00

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

Do Not Use This Tag

eurofins

Environment Testing
TestAmerica

Part # 159469-434 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: 10FEB21
ACTWGT: 66.85 LB
CAD: 8591167/CAFE3406

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

REF: GOLDER- PLT SCHERE

FedEx Express

3 of 7
1516 9328 0949

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

1516 9328 0927

0201

15238
PIT
PA-US

Uncorrected temp
Thermometer ID

CF
Initials

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

180-117048 Waybill

eurofins | Environment Testing TestAmerica

Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

6 of 7
MPS# 0263 1516 9328 0971
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 1.7 °C
Thermometer ID
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Environment Testing TestAmerica

2 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

2 of 7
MPS# 0263 1516 9328 0938
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

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

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

BILL RECIPIENT

AMPLE RECIEVING
UROFINS TESTAMERICA PITTSBURGH
01 ALPHA DR.
IDC PARK
ITTSBURGH PA 15238
963-7058
GOLDER

FedEx Express

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

A AGCA

15238 PIT
PA-US

Uncorrected temp 2.2 °C
Thermometer ID 14
CF 0 Initials

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

2/26/2021

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6812 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 10FEB21
ACTWGT: 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
MPS# 0263 1516 9328 0960
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

0201

NA AGCA

15238 PIT

Uncorrected temp 23 °C
Thermometer ID 14
CF 0 Initials

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

eurofins | RT 97 FZ

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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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

4 of 7
MPS# 0263 1516 9328 0950
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 37 °C
Thermometer ID 14
CF 0 Initials

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

Cust
DATE
SIGNATI

eurofins | 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

7 of 7
MPS# 0263 1516 9328 0982
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.2 °C
Thermometer ID 14
CF 0 Initials

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

eurofins | Environment Testing

180-117050 Waybill

Part # 159469-434 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

FEB21
ACTWGT: 66.85 LB
CAD: 859116/CAFE3406

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER - PLT SCHERE

FedEx Express
E

6 of 7
MPS# 0263 1516 9328 0971
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 1.7 °C
Thermometer ID
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Environment Testing
TestAmerica

EXP 11/21

ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGE... 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) 963-7058
REF: GOLDER - PLT SCHERE

FedEx Express
E

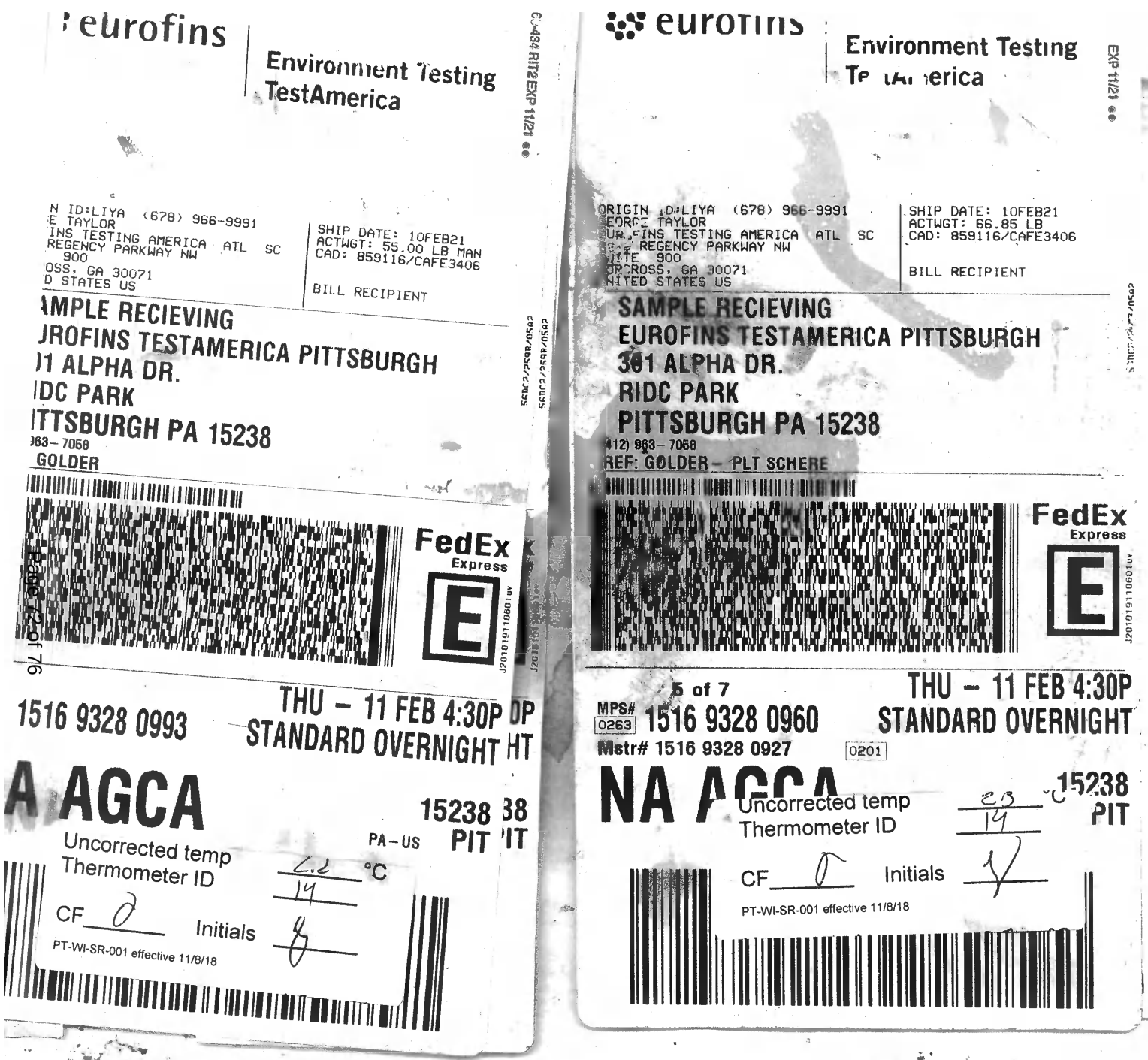
2 of 7
MPS# 0263 1516 9328 0938
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18



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

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

BILL RECIPIENT

AMPLE RECIEVING
JROFINS TESTAMERICA PITTSBURGH
)1 ALPHA DR.
IDC PARK
ITTSBURGH PA 15238
)63-7058
GOLDER

FedEx Express

1516 9328 0993

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

A AGCA

15238
PIT

PA-US

Uncorrected temp 4.2 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9991
EORGE TAYLOR
UR.FINS TESTING AMERICA ATL SC
REGENCY PARKWAY NW
UITE 900
OSS, GA 30071
NITED STATES US

SHIP DATE: 10FEB21
ACTWGT: 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
MPS# 0263 1516 9328 0960
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

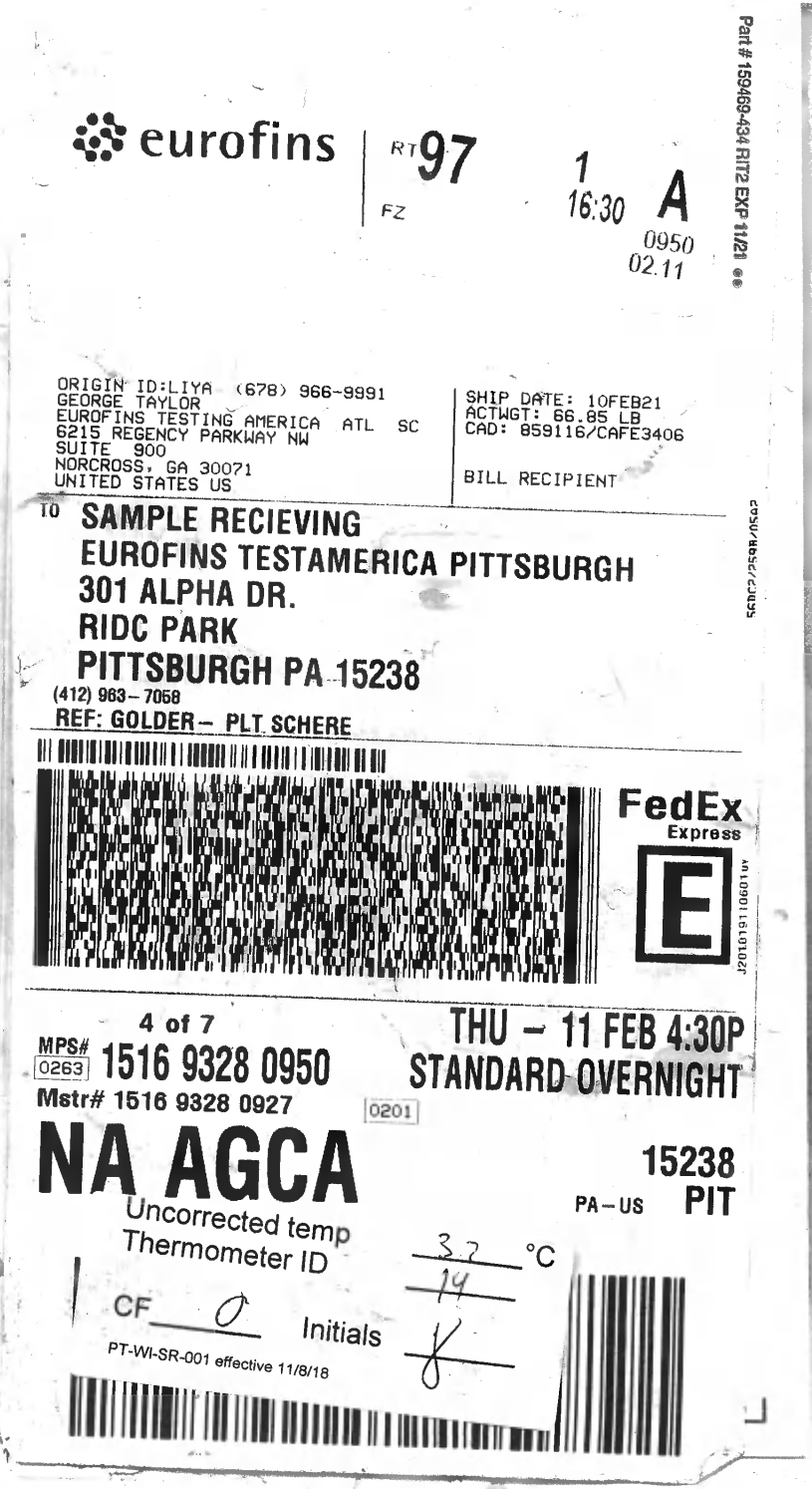
15238
PIT

Uncorrected temp 23 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

EXP 11/21

Page 12 of 76

2/26/2021



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Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

4 of 7
MPS# 0263 1516 9328 0950
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.7 °C
Thermometer ID 14
CF 0 Initials K

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

Cust DATE SIGNAT

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Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

7 of 7
MPS# 0263 1516 9328 0982
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

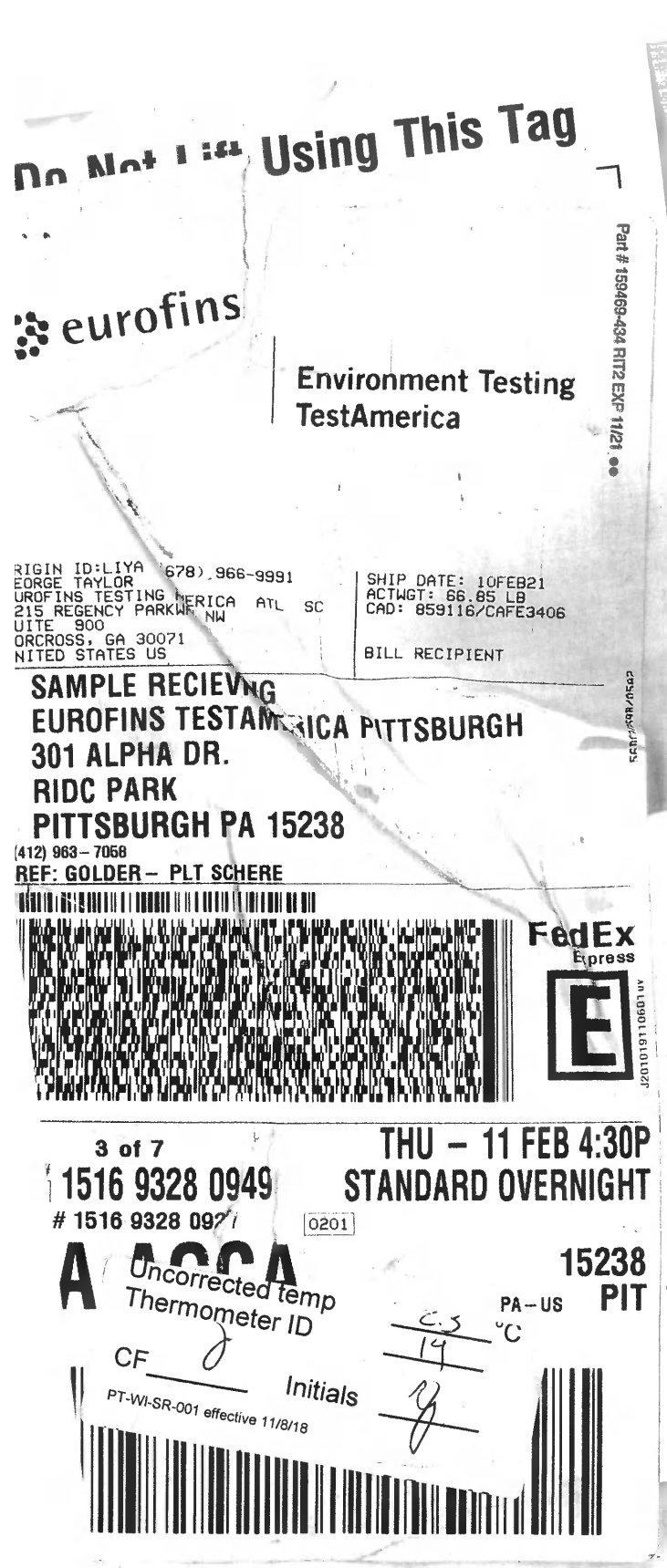
0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.5 °C
Thermometer ID 14
CF 0 Initials K

PT-WI-SR-001 effective 11/8/18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Environment Testing
TestAmerica
Part # 159469-434 REV2 EXP 11/21
ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US
SHIP DATE: 10FEB21
ACTWGT: 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
3 of 7
1516 9328 0949
1516 9328 0949
0201
THU - 11 FEB 4:30P
STANDARD OVERNIGHT
15238
PA-US
PIT
Uncorrected temp
Thermometer ID
C.3
14
°C
CF 0
Initials
PT-WI-SR-001 effective 11/8/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-1

Login Number: 117048
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 1
Creator: Watson, Debbie

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	

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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

PA Lab ID: 02-00416

Table of Contents

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 1.7º C, 1.7º C, 2.2º C, 2.2º C, 2.3º C, 2.3º C, 2.3º C, 2.3º C, 3.1º C, 3.1º C, 3.2º C, 3.2º C, 3.2º C and 3.7º 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 HNO3-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),

Job ID: 180-117048-2 (Continued)

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.
¤	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
Date Collected: 02/09/21 10:05
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-1
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			1000.34 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
Date Collected: 02/09/21 11:01
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-2
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			1000.20 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
Date Collected: 02/09/21 11:35
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-3
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			1000.75 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
Date Collected: 02/09/21 12:55
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-4
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			1000.04 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
Date Collected: 02/09/21 12:55
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-4
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			1000.04 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
Date Collected: 02/09/21 10:10
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-5
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			1000.19 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
Date Collected: 02/09/21 10:30
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-6
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			1000.14 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
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	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									

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									

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
Date Collected: 02/10/21 11:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-3
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_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
Date Collected: 02/10/21 10:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-4
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			1000.85 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
Date Collected: 02/10/21 09:28
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-5
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			1000.59 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
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	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									

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)

Date Collected: 02/10/21 11:00
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-10

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			1000.51 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 = Aamber Woods

CMM = Chelsea Mazariegos

SCB = Sarah Bernsen

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

Job ID: 180-117048-2

Client Sample ID: SGWA-1
Date Collected: 02/09/21 10:05
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-1
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	0.0305	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWA-2
Date Collected: 02/09/21 11:01
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-2
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	0.0153	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWA-3
Date Collected: 02/09/21 11:35
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-3
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	-0.0303	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 ID: SGWA-4

Date Collected: 02/09/21 12:55
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-4

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	-0.0554	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWA-5

Date Collected: 02/09/21 10:10
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-5

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	0.0387	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWA-24

Date Collected: 02/09/21 10:30
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-6

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	0.0226	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: 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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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

Date Collected: 02/09/21 14:35
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-10

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	0.761		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
Radium-228	2.16		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
Combined Radium 226 + 228	2.92		0.411	0.462	5.00	0.401	pCi/L		03/16/21 15:12	1

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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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: 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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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: 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

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

Job ID: 180-117048-2

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

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.566		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
Radium-228	1.86		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
Combined Radium 226 + 228	2.42		0.391	0.429	5.00	0.385	pCi/L		03/16/21 15:11	1

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

Job ID: 180-117048-2

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

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)

Date Collected: 02/09/21 10:45
Date Received: 02/11/21 11:00

Lab Sample ID: 180-117048-21

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	0.0112	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

Client Sample ID: SGWC-18

Date Collected: 02/10/21 10:55
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-2

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	0.0388	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWC-19

Date Collected: 02/10/21 11:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-3

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	0.00863	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWC-20

Date Collected: 02/10/21 10:24
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-4

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	0.0597	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: Southern Company
Project/Site: GPC Plant Scherer AP-1

Job ID: 180-117048-2

Client Sample ID: SGWC-21

Date Collected: 02/10/21 09:28
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-5

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	0.0204	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: 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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

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

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

Job ID: 180-117048-2

Client Sample ID: EB-2 (AP)

Date Collected: 02/10/21 11:00
Date Received: 02/11/21 15:24

Lab Sample ID: 180-117050-10

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	-0.0127	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

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.85		1.14	1.00	0.108	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.1*		*40 - 110*

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 Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
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*
Ba Carrier	*89.2*		*40 - 110*

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.87		1.13	1.00	0.0995	pCi/L	96	75 - 125		

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 0	U	0.0530	1.00	0.112	pCi/L			0.06	1

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
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. Limits	RER	RER Limit
Radium-228			7.38	8.023		0.984	1.00	0.406	pCi/L	109	75 - 125	0.18	1

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 %Yield	LCSD Qualifier	Limits
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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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		
Radium-228			7.39	7.710		0.955	1.00	0.374	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
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 Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.563			0.3418	U	0.301	1.00	0.478	pCi/L			0.38	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.7		40 - 110
Y Carrier	82.2		40 - 110

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	

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

180-117048 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)	App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
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
								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

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).**

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by:	Company: Golder	Date/Time: 2-10-21/812	Received by:	Company: Courier NW	Date/Time: 2/10/21
Relinquished by:	Company: 09:30	Date/Time: 2/10/21	Received by:	Company: EPA 09:30	Date/Time: 02/10/21
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: FTAL H	Date/Time: 02-11-21 11:00

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

3/16/2021

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

Chain of Custody Record

244- ATLANTA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Karim Minkara	Date: 2/9/2021	COC No:
Southern Company	Tel/Fax: 248-536-5445	Lab Contact: Veronica Bortot	Carrier:	2 of 2 COCs
241 Ralph McGill Blvd SE B10185	Analysis Turnaround Time			Sampler: Golder
Atlanta, GA, 30308	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(404) 506-7239 Phone	TAT if different from Below ___			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name: GPC Plant Scherer	☐ 1 week			
Site: AP-1	☐ 2 days			Job / SDG No.:
P O # 166235021	☐ 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:
SGWC-11	2/9/2021	12:53	G	GW	6			X	X	X	pH: 5.24 ; extra radium
SGWC-12	2/9/2021	14:05	G	GW	4			X	X	X	pH: 6.13
SGWC-13	2/9/2021	15:50	G	GW	4			X	X	X	pH: 5.98
SGWC-14	2/9/2021	16:38	G	GW	4			X	X	X	pH: 5.85
SGWC-15	2/9/2021	16:26	G	GW	4			X	X	X	pH: 4.63
SGWC-16	2/9/2021	17:07	G	GW	4			X	X	X	pH: 5.22
DUP-1 (AP)	2/9/2021	--	G	GW	4			X	X	X	
FB-1 (AP)	2/9/2021	16:15	G	GW	4			X	X	X	
EB-1 (AP)	2/9/2021	10:45	G	GW	4			X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______								4	4	1	

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:
*App IV Metals = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium).

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by:	Company: Golder	Date/Time: 2-10-21/812	Received by:	Company: Courier NOW	Date/Time: 2/10/21
Relinquished by:	Company:	Date/Time: 2/10/21 09:30	Received by:	Company:	Date/Time: 2/10/21 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 2-11-21 11:00

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

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Karim Minkara	Date: 2/10/2021	COC No:
Southern Company	Tel/Fax: 248-536-5445	Lab Contact: Veronica Bortot	Carrier:	1 of 1 COCs
241 Ralph McGill Blvd SE B10185	Analysis Turnaround Time			Sampler: Golder
Atlanta, GA, 30308	☐ CALENDAR DAYS ☐ WORKING DAYS			
(404) 506-7239 Phone	TAT if different from Below ____			
FAX	☐ 2 weeks			
Project Name: GPC Plant Scherer	☐ 1 week			
Site: AP-1	☐ 2 days			
P O # 166235021	☐ 1 day			

180-117050 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)	App IV Metals*	Radium 226 / 228	Fluoride	Sample Specific Notes:
SGWC-17	2/10/2021	9:42	G	GW	6			X	X	X	pH: 6.23 ; extra radium
SGWC-18	2/10/2021	10:55	G	GW	4			X	X	X	pH: 4.80
SGWC-19	2/10/2021	11:24	G	GW	4			X	X	X	pH: 5.55
SGWC-20	2/10/2021	10:24	G	GW	4			X	X	X	pH: 4.22
SgWC-21	2/10/2021	9:28	G	GW	4			X	X	X	pH: 6.21
SGWC-22	2/10/2021	10:45	G	GW	4			X	X	X	pH: 5.58
SGWC-23	2/10/2021	9:50	G	GW	4			X	X	X	pH: 5.85
DUP-2 (AP)	2/10/2021	--	G	GW	4			X	X	X	
FB-2 (AP)	2/10/2021	9:30	G	GW	4			X	X	X	
EB-2 (AP)	2/10/2021	11:00	G	GW	4			X	X	X	
								4	4	1	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

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

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: Golder	Date/Time: 2/10/21 15:24	Received by:	Company: ETA	Date/Time: 2/10/21 15:24
Relinquished by: 2/10/21	Company: 16:00	Date/Time: ETA	Received by:	Company:	Date/Time: 2-11-21
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 11:00

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

3/16/2021

180-117048 Waybill

Do Not Use This Tag

eurofins

Environment Testing
TestAmerica

Part # 159469-434 RIT2 EXP 11/21

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

SHIP DATE: 10FEB21
ACTWGT: 66.85 LB
CAD: 8591167/CAFE3406

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

REF: GOLDER- PLT SCHERE

FedEx Express

3 of 7
1516 9328 0949

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

1516 9328 0971

0201

15238
PIT
PA-US

Uncorrected temp
Thermometer ID

CF
Initials

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

eurofins | Environment Testing TestAmerica

Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

6 of 7
MPS# 0263 1516 9328 0971
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 1.7 °C
Thermometer ID
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Environment Testing TestAmerica

2 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

2 of 7
MPS# 0263 1516 9328 0938
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

946..-434 RIT2 EXP 11/21

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

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

BILL RECIPIENT

AMPLE RECIEVING
JROFINS TESTAMERICA PITTSBURGH
01 ALPHA DR.
IDC PARK
ITTSBURGH PA 15238
963 – 7058
GOLDER

FedEx Express E

J201019110601uv

THU – 11 FEB 4:30P
STANDARD OVERNIGHT

1516 9328 0993

A AGCA

15238 PA – US PIT

Uncorrected temp 2.2 °C
Thermometer ID 14
CF 0 Initials [initials]
PT-WI-SR-001 effective 11/8/18

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eurofins | Environment Testing TestAmerica

EXP 11/21

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

SHIP DATE: 10FEB21
ACTWGT: 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 E

J201019110601uv

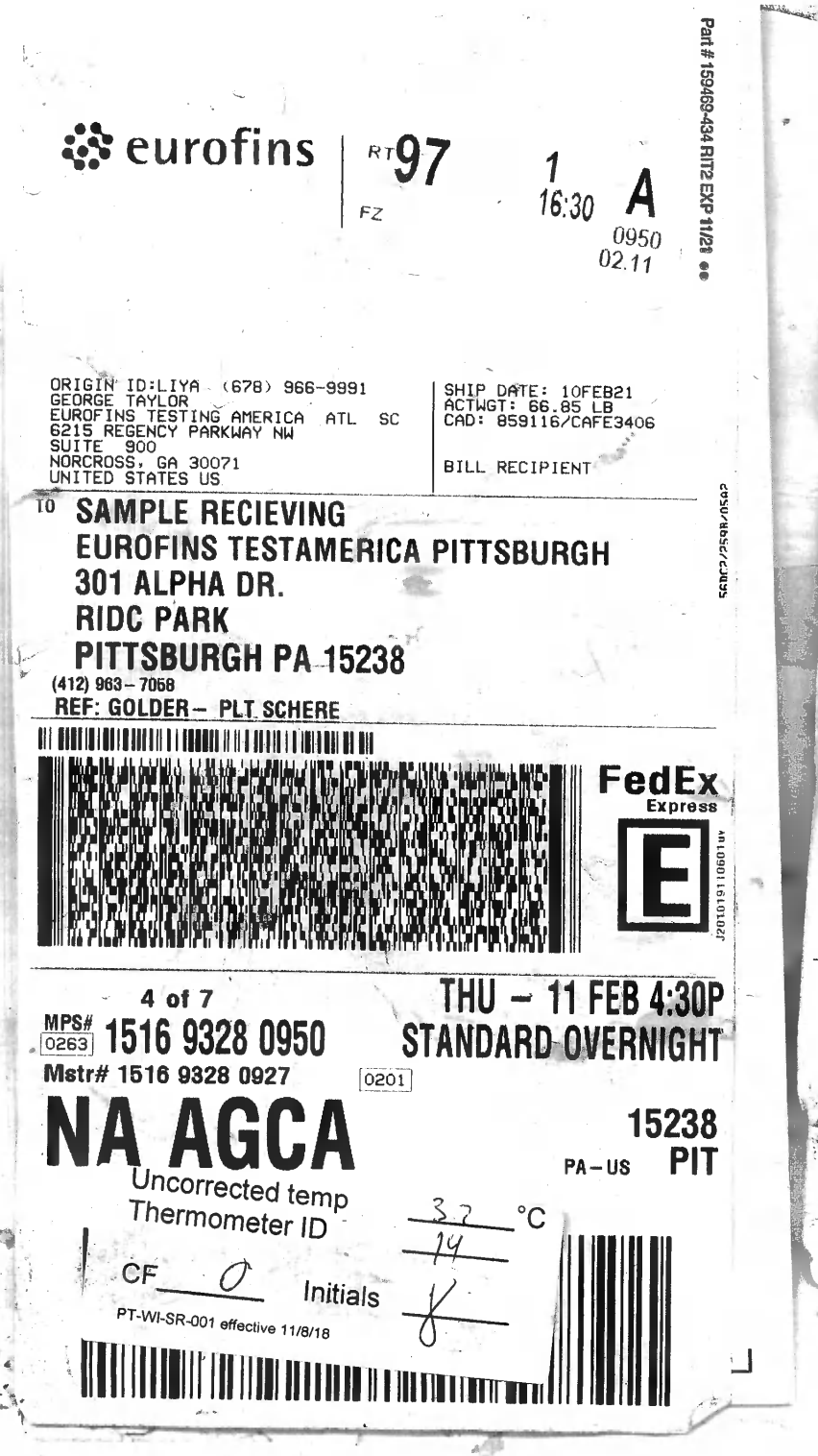
THU – 11 FEB 4:30P
STANDARD OVERNIGHT

5 of 7
MPS# 0263 1516 9328 0960
Mstr# 1516 9328 0927
0201

NA AGCA

15238 PIT

Uncorrected temp 2.3 °C
Thermometer ID 14
CF 0 Initials [initials]
PT-WI-SR-001 effective 11/8/18



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Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

4 of 7
MPS# 0263 1516 9328 0950
Mstr# 1516 9328 0927
0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.7 °C
Thermometer ID 14
CF 0 Initials

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

Cust DATE SIGNATI

Environment Testing TestAmerica

Part # 159469-434 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 DA 1
ACTWGT: 66.85 LB
CAD: 859116 E3406

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

7 of 7
MPS# 0263 1516 9328 0982
Mstr# 1516 9328 0927
0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.2 °C
Thermometer ID 14
CF 0 Initials

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

eurofins | Environment Testing

Part # 159469-434 RIT2 EXP 11/21

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

ACTWGT: 66.85 LB
CAD: 859116/CAFE3406

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER - PLT SCHERE

FedEx Express

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6 of 7
MPS# 0263 1516 9328 0971
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 1.7 °C
Thermometer ID
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Environment Testing
TestAmerica

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: 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) 963-7058
REF: GOLDER - PLT SCHERE

FedEx Express

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J201019110601uv

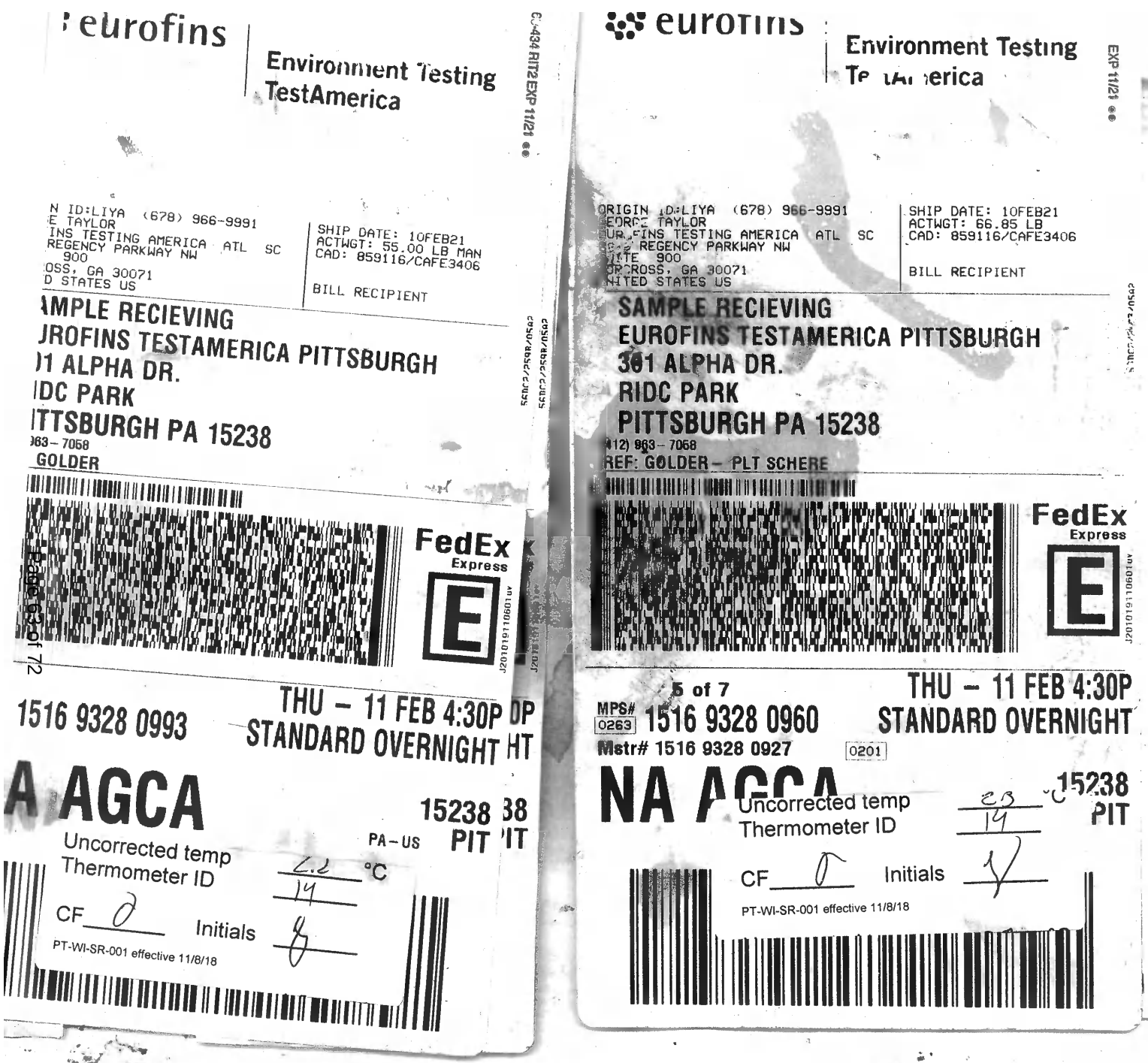
2 of 7
MPS# 0263 1516 9328 0938
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18



eurofins | Environment Testing TestAmerica

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

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

BILL RECIPIENT

AMPLE RECIEVING
JROFINS TESTAMERICA PITTSBURGH
)1 ALPHA DR.
IDC PARK
ITTSBURGH PA 15238
)63-7058
GOLDER

FedEx Express

1516 9328 0993

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

A AGCA

15238
PIT

PA-US

Uncorrected temp 4.2 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9991
EORGE TAYLOR
UR.FINS TESTING AMERICA ATL SC
REGENCY PARKWAY NW
UITE 900
OSS, GA 30071
NITED STATES US

SHIP DATE: 10FEB21
ACTWGT: 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
MPS# 0263 1516 9328 0960
Mstr# 1516 9328 0927 0201

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

NA AGCA

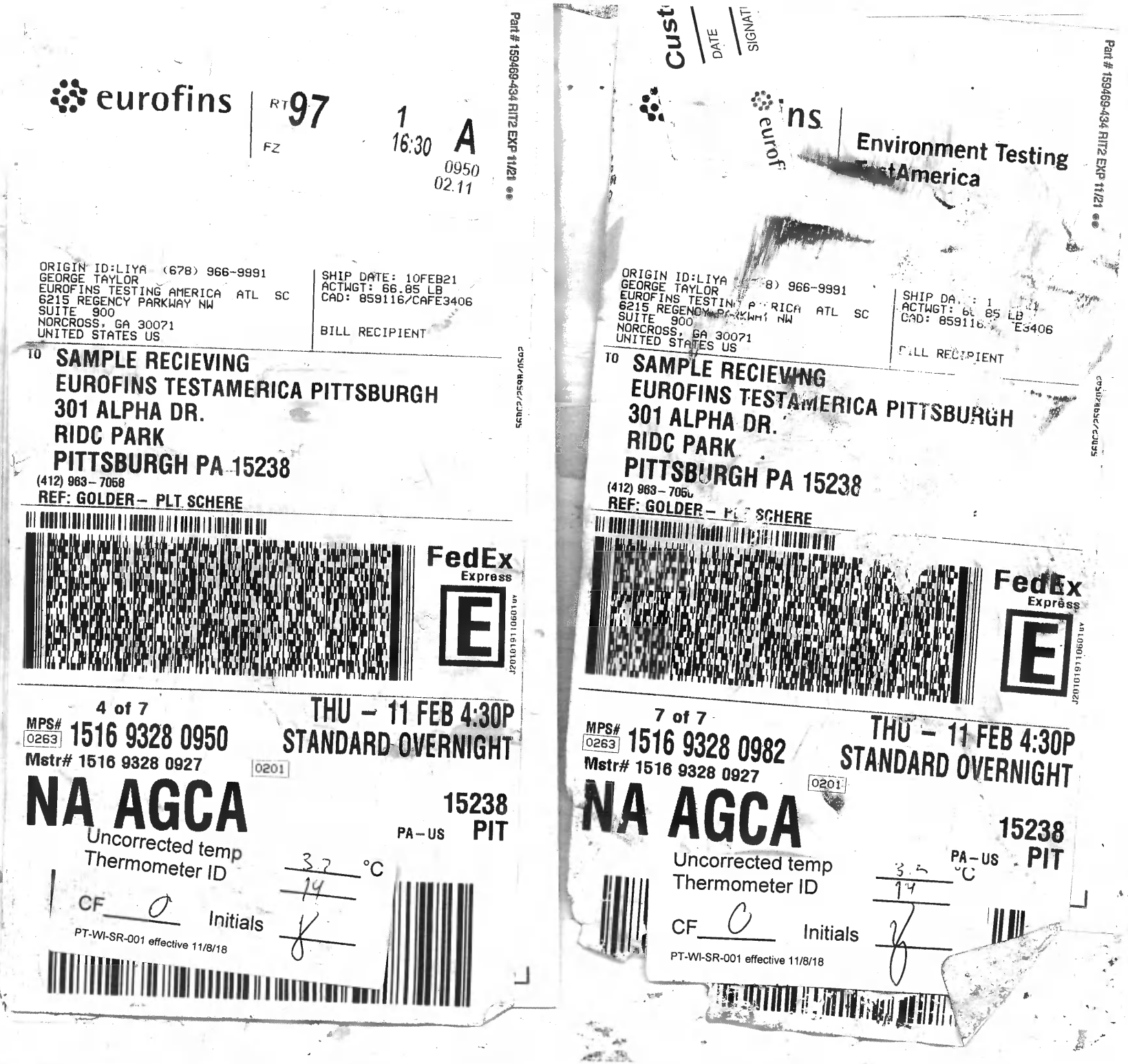
15238
PIT

Uncorrected temp 23 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

EXP 11/21

Page 63 of 72

3/16/2021



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Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

4 of 7
MPS# 0263 1516 9328 0950
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 37 °C
Thermometer ID 14
CF 0 Initials K

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

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Environment Testing
TestAmerica

Part # 159469-434 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: 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) 963-7058
REF: GOLDER- PLT SCHERE

FedEx Express

7 of 7
MPS# 0263 1516 9328 0982
Mstr# 1516 9328 0927

THU - 11 FEB 4:30P
STANDARD OVERNIGHT

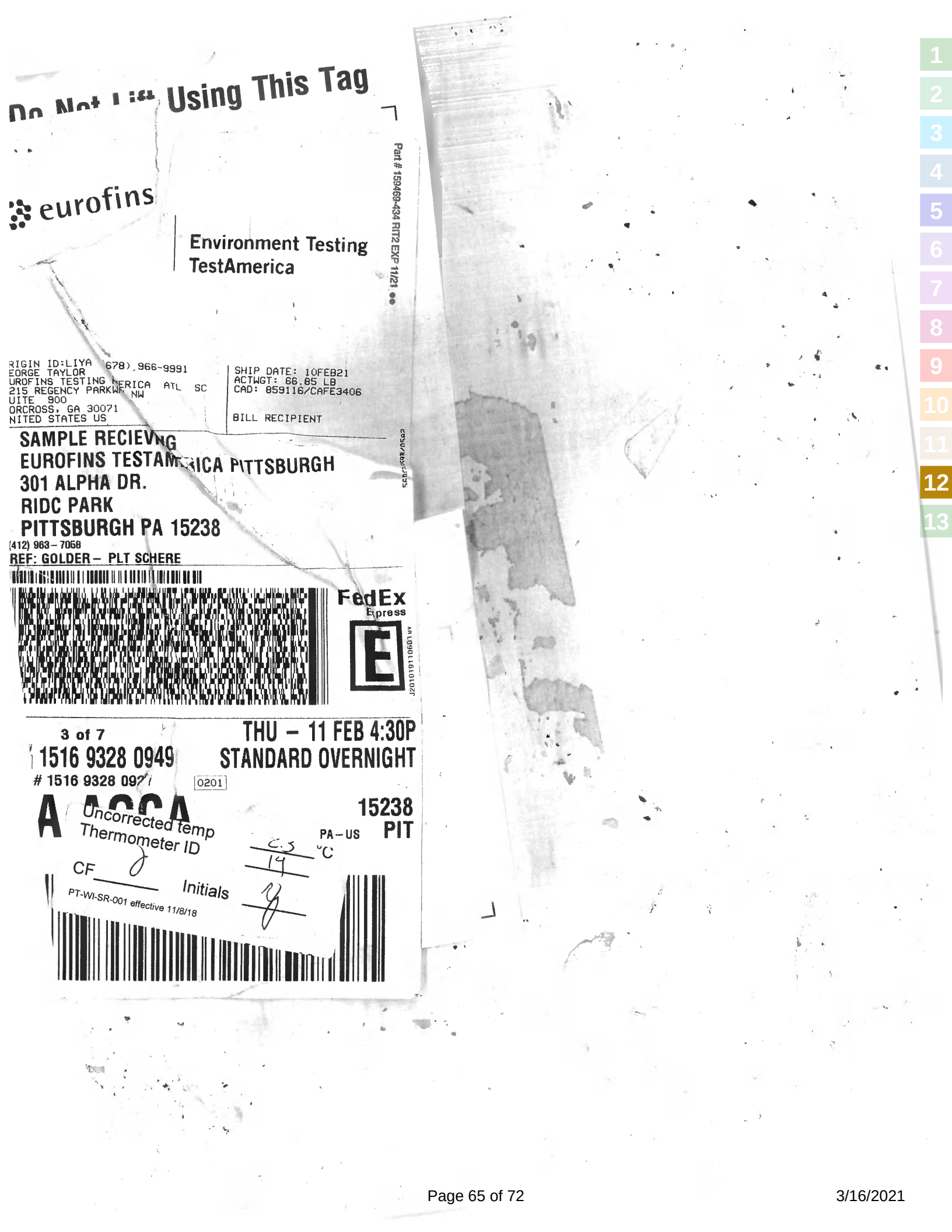
0201

NA AGCA

15238
PA-US PIT

Uncorrected temp 37 °C
Thermometer ID 14
CF 0 Initials K

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


Do Not Use Using This Tag
eurofins
Environment Testing
TestAmerica
Part # 159469-434 REV2 EXP 11/21
ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
215 REGENCY PARKWAY NW
SUITE 900
KORCROSS, GA 30071
UNITED STATES US
SHIP DATE: 10FEB21
ACTWGT: 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
3 of 7
1516 9328 0949
1516 9328 0927
0201
THU - 11 FEB 4:30P
STANDARD OVERNIGHT
15238
PA-US
PIT
Uncorrected temp
Thermometer ID
C.3
14
°C
CF 0
Initials
PT-WI-SR-001 effective 11/8/18

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-426209.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-117048-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: GPC Plant Scherer AP-1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWA-1 (180-117048-1)	2/9/21	10:05 Eastern		Water			X	X	X	2	
SGWA-2 (180-117048-2)	2/9/21	11:01 Eastern		Water			X	X	X	2	
SGWA-3 (180-117048-3)	2/9/21	11:35 Eastern		Water			X	X	X	2	
SGWA-4 (180-117048-4)	2/9/21	12:55 Eastern		Water			X	X	X	2	
SGWA-5 (180-117048-5)	2/9/21	10:10 Eastern		Water			X	X	X	2	
SGWA-24 (180-117048-6)	2/9/21	10:30 Eastern		Water			X	X	X	2	
SGWA-25 (180-117048-7)	2/9/21	11:30 Eastern		Water			X	X	X	2	
SGWC-6 (180-117048-8)	2/9/21	12:32 Eastern		Water			X	X	X	2	
SGWC-7 (180-117048-9)	2/9/21	14:15 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/12/21 17:00	ETA PITT	FedEx		
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 2/13/21 10:54	Company ETASTL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-426209.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-117048-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: GPC Plant Scherer AP-1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWC-8 (180-117048-10)	2/9/21	14:35 Eastern		Water			X	X	X	2	
SGWC-9 (180-117048-11)	2/9/21	16:00 Eastern		Water			X	X	X	2	
SGWC-10 (180-117048-12)	2/9/21	17:00 Eastern		Water			X	X	X	2	
SGWC-11 (180-117048-13)	2/9/21	12:53 Eastern		Water			X	X	X	4	
SGWC-12 (180-117048-14)	2/9/21	14:05 Eastern		Water			X	X	X	2	
SGWC-13 (180-117048-15)	2/9/21	15:50 Eastern		Water			X	X	X	2	
SGWC-15 (180-117048-17)	2/9/21	16:26 Eastern		Water			X	X	X	2	
SGWC-16 (180-117048-18)	2/9/21	17:07 Eastern		Water			X	X	X	2	
DUP-1 (AP) (180-117048-19)	2/9/21	Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: FedEx	Date/Time: 2/12/21 1710	Company ETA PM	Received by: FedEx	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/13/21 10:54	Company ETASTL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-426209.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-117048-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: GPC Plant Scherer AP-1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-1 (AP) (180-117048-20)	2/9/21	16:15 Eastern		Water			X	X	X	2	
EB-1 (AP) (180-117048-21)	2/9/21	10:45 Eastern		Water			X	X	X	2	
SGWC-14 (180-117048-22)	2/9/21	16:38 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmenca attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Jeremy Jones	2/12/21 17:00	ETA Pit	Received by: Fed Ex		
Relinquished by: Fed Ex	Date/Time:	Company	Received by: JaBy	Date/Time: 2/13/21 10:54	Company ETASTL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-117048-2

Login Number: 117048
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 1
Creator: Watson, Debbie

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: 180-117048-2

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 </= 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	

APPENDIX B

Laboratory Analytical Data March-April 2021

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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

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

Table of Contents

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 2.1º C, 2.2º C, 2.3º C, 2.9º C, 2.9º C, 3.1º C, 3.1º C, 3.1º C, 3.2º C, 3.4º C, 3.5º C, 3.7º C, 3.8º C and 3.8º 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
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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

Date Collected: 03/30/21 12:49
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-1

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	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

Date Collected: 03/30/21 13:47
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-2

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	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

Date Collected: 03/30/21 11:00
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-5

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	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

Date Collected: 03/30/21 16:02
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-6

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	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									

Lab Chronicle

Client: Southern Company
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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)

Lab Sample ID: 180-119436-12
Matrix: Water
Date Collected: 03/30/21 11:35
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 18:23	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)

Lab Sample ID: 180-119436-13
Matrix: Water
Date Collected: 03/30/21 00:00
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 18:27	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

Lab Sample ID: 180-119478-1
Matrix: Water
Date Collected: 04/01/21 12:26
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 13:18	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

Lab Sample ID: 180-119478-2
Matrix: Water
Date Collected: 04/01/21 11:10
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 13:21	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

Date Collected: 04/01/21 09:37
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-3

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 13:24	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

Date Collected: 04/01/21 14:55
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-4

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 13:26	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

Date Collected: 04/01/21 13:40
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-5

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	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)

Date Collected: 04/01/21 00:00
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-6

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	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									

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
Matrix: Water
Date Collected: 04/01/21 14:15
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
Matrix: Water
Date Collected: 03/31/21 11:13
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
Matrix: Water
Date Collected: 03/31/21 12:13
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
Matrix: Water
Date Collected: 03/31/21 13:38
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									

Lab Chronicle

Client: Southern Company
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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

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
Lab Sample ID: 180-119763-1
Date Collected: 04/06/21 10:49
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 18:37	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
Lab Sample ID: 180-119798-1
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 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
Lab Sample ID: 180-119798-2
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 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									

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

Date Collected: 03/30/21 12:49
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-1

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: SGWA-2

Date Collected: 03/30/21 13:47
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-2

Matrix: Water

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

Date Collected: 03/30/21 11:00
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-5

Matrix: Water

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

Date Collected: 03/30/21 16:02
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-6

Matrix: Water

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

Date Collected: 03/30/21 12:50
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-7

Matrix: Water

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

Date Collected: 03/30/21 14:15
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-8

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: EB_1(AP-1)

Date Collected: 03/30/21 17:03
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119436-11

Matrix: Water

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: 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

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: Southern Company
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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

Date Collected: 04/01/21 12:26
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-1

Matrix: Water

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

Date Collected: 04/01/21 11:10
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-2

Matrix: Water

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

Date Collected: 04/01/21 09:37
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-3

Matrix: Water

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

Date Collected: 04/01/21 14:55
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-4

Matrix: Water

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

Date Collected: 04/01/21 13:40
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119478-5

Matrix: Water

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
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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
Job ID: 180-119436-1
Project/Site: Plant Scherer Ash Pond Major Ions

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

Date Collected: 03/31/21 11:13
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-1

Matrix: Water

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

Date Collected: 03/31/21 12:13
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-2

Matrix: Water

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

Date Collected: 03/31/21 13:38
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-3

Matrix: Water

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

Date Collected: 03/31/21 14:22
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-4

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: SGWC-10

Date Collected: 03/31/21 13:00
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-5

Matrix: Water

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

Date Collected: 03/31/21 14:04
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-9

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: SGWC-22

Date Collected: 03/31/21 11:45
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-10

Matrix: Water

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

Date Collected: 03/31/21 10:29
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119481-11

Matrix: Water

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

Date Collected: 04/06/21 10:49
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119763-1

Matrix: Water

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

Date Collected: 04/07/21 12:23
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119798-1

Matrix: Water

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

Date Collected: 04/07/21 14:48
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119798-2

Matrix: Water

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

Date Collected: 04/07/21 15:25
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119798-3

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: SGWA-25

Date Collected: 04/07/21 14:09
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119798-4

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond Major Ions

Job ID: 180-119436-1

Client Sample ID: FB-2 (AP-1)

Date Collected: 04/07/21 13:45
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119798-5

Matrix: Water

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

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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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
Potassium	25.0	23.9		mg/L		96	80 - 120
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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
Potassium	25.0	26.3		mg/L		105	80 - 120
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

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
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
Potassium	25.0	24.2		mg/L		97	80 - 120
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
Potassium	1.7		25.0	26.4		mg/L		99	75 - 125
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 Result	MB 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 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
Potassium	25.0	26.4		mg/L		105	80 - 120
Magnesium	25.0	26.3		mg/L		105	80 - 120
Sodium	25.0	26.4		mg/L		106	80 - 120

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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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 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			04/09/21 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 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			04/09/21 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

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

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 Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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 Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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 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			04/14/21 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		
Total Alkalinity as CaCO3 to pH 4.5			250	229		mg/L		92	90 - 110		

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		
Total Alkalinity as CaCO3 to pH 4.5			20.0	20.5		mg/L		103	90 - 110		

Lab Sample ID: 180-119474-A-14 DU
Matrix: Water
Analysis Batch: 353175

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	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

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 Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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 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			04/15/21 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		
Total Alkalinity as CaCO3 to pH 4.5			250	245		mg/L		98	90 - 110		

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		
Total Alkalinity as CaCO3 to pH 4.5			20.0	20.3		mg/L		102	90 - 110		

Lab Sample ID: 180-119508-B-10 DU
Matrix: Water
Analysis Batch: 353358

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	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 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			04/17/21 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

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

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

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

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	

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	

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
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Pittsburgh, PA 15238-2907
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Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3.30.2021
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:
Southern Company	Analysis Turnaround Time		
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS		
Atlanta, GA 30308	TAT if different from Below ___3-5 days___		
JAbraham@southernco.com	☐ 2 weeks		
Project Name: CCR - Ash Pond Major Ions	☐ 1 week		
Site: Georgia	☐ 2 days		
P O # 18019884	☐ 1 day		

180-119436 Chain of Custody

SDG 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)	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.

☐ Non-Hazard ☐ Flammable S ☐ 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 ☐	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Gader Ass.	Date/Time: 3-31-21 0809	Received by: Elaine Cook	Company: Courier Now	Date/Time: 3/31/21 8:14
Relinquished by: 3/31/21	Company: CTS	Date/Time: 1050	Received by: ET	Company: 3/31/21	Date/Time: 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETAH+	Date/Time: 4-2-21 0900

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4/27/2021

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3-30-2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	___1___ of __1__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Ash Pond Major Ions	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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:
EB_1 (AP-1)	3/30/2021	17:03	G	Water	5			X	X	
FB_1 (AP-1)	3/30/2021	11:35	G	Water	5			X	X	
DUP_1 (AP-1)	3/30/2021	----	G	Water	5			X	X	
								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.

☐ Non-Hazard ☐ Flammable ☐ Sk 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	Custody Seal No.:			Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____	
Relinquished by:	Company: Golder Ass.	Date/Time: 3-31-21/0824		Received by: Elaine Cook	Company: Courier Now	Date/Time: 3/31/21 8:14	
Relinquished by: 3/31/21 ETA 10 COD	Company:	Date/Time:		Received by: ETA	Company: 3/31/21	Date/Time: 10:30	
Relinquished by:	Company:	Date/Time:		Received in Laboratory by: Kellie Watson	Company: FEDEX	Date/Time: 4-2-21 10:00	

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

4/27/2021

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.1.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __2__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below ___3-5 days____			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Ash Pond Major Ions	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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-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	
								1	4	

180-119478 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 S ☐ 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 ☐ Custody Seal No.: Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Gader Ass	4-2-21 1619	Received by:	Fedex	4/2/21 1619
Relinquished by:	Gader Ass	4-2-21 1757	Received by: ETA	ETA	4/2/21 17:57
Relinquished by: ETA	4/2/21	1845	Received in Laboratory by:	ETA	4-3-21/1045

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

244- ATLANTA

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 03.31.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __2__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below ___3-5 days____			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Ash Pond Major Ions	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 1 day			

180-119481 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-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-1)	3/31/2021	10:30	G	GW	5			X	X	
								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.

☐ Non-Hazard ☐ Flammable S ☐ 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 ☐ Custody Seal No.: Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Calder Assc.	4-1-21/0809	Received by: Elaine Cook	Courier NOW	4/1/21 8:11
Relinquished by: 4/1/21	ETA 16°C	Date/Time:	Received by: ETA	Company: 4/1/21	Date/Time: 10:12
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Kellie Watson	Company: FTAL-H	Date/Time: 4-3-21

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TestAmerica Pittsburgh
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Pittsburgh, PA 15238-2907
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.6.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond Major Ions	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
SGWC-14	4/6/2021	10:49	G	GW	5			X	X	pH= 5.84
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								1	4	

180-119763 Chain of Custody

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 S ☐ 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 ☐	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by: Jean Ee	Company: Golder	Date/Time: 4-7-21 0800	Received by: Elaine Cook	Company: Courier Now	Date/Time: 4/7/21 8:05
Relinquished by: ETA	Company: 10:00 4/7/21	Date/Time:	Received by: ETA	Company: 10:00 4/7/21	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETA	Date/Time: 4-9-21 9:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

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Chain of Custody Record

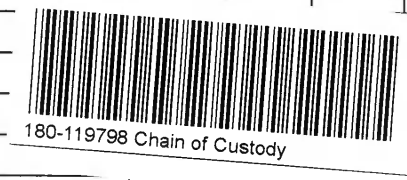
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.7.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond Major Ions				Job / SDG No.:
Site: Georgia				
P O #				

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								1	4	



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

☐ Non-Hazard ☐ Flammable S ☐ 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 ☐	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: Golder Ass.	Date/Time: 4/8/21 1030	Received by:	Company:	Date/Time:
Relinquished by: ETR	Company: 16:00	Date/Time: 4/8/21	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119436-1

Login Number: 119436
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 1
Creator: Watson, Debbie

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?	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 Number: 1
Creator: Watson, Debbie

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.	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: 180-119436-1

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 Number: 1
Creator: Watson, Debbie

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.	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: 180-119436-1

Login Number: 119798
List Number: 1
Creator: Watson, Debbie

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?	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	

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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

PA Lab ID: 02-00416

Table of Contents

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 2.1º C, 2.2º C, 2.3º C, 2.9º C, 2.9º C, 3.1º C, 3.1º C, 3.1º C, 3.2º C, 3.4º C, 3.5º C, 3.7º C, 3.8º C and 3.8º 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.
¤	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

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	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 21:47	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 10:11	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 10:44	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 12:49	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 19:23	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 10:28	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 10:46	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 13:47	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		2.5			352645	04/10/21 20:12	SAT	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		25			352645	04/10/21 20:28	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 10:47	RSK	TAL PIT
	Instrument ID: A									

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									

Lab Chronicle

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

Job ID: 180-119437-1

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	Field Sampling		1			352098	03/30/21 12:50	FDS	TAL PIT

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	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 23:06	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 11:08	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									
Total/NA	Analysis	Field Sampling		1			352098	03/30/21 14:15	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			352645	04/11/21 00:57	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 11:12	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 10:56	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									
Total/NA	Analysis	Field Sampling		1			352098	03/30/21 11:43	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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	Analysis	EPA 300.0 R2.1		1			352645	04/10/21 22:50	SAT	TAL PIT
	Instrument ID: CHIC2100A									

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		1			352844	04/14/21 02:18	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 12:38	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 11:46	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 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: 180-119479-2

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		1			352844	04/14/21 05:51	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 12:56	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 11:47	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 11:10	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			352844	04/14/21 01:13	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 13:00	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 11:48	KHM	TAL PIT
	Instrument ID: HGZ									

Lab Chronicle

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

Job ID: 180-119437-1

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	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

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	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

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	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
Matrix: Water
Date Collected: 04/01/21 00:00
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
Matrix: Water
Date Collected: 04/01/21 14:15
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
Matrix: Water
Date Collected: 03/31/21 11:13
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									

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		1			352646	04/10/21 18:31	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 20:59	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 12:01	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 12:13	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 19:20	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 21:02	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 12:02	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 13:38	FDS	TAL PIT
	Instrument ID: NOEQUIP									

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		5			352844	04/14/21 00:24	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 17:26	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 21:13	RSK	TAL PIT
	Instrument ID: A									

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									

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		1			352646	04/10/21 18:15	SAT	TAL PIT
	Instrument ID: CHICS2100B									
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 08:56	RSK	TAL PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 10:48	RSK	TAL PIT
	Instrument ID: NEMO									
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 12:06	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 11:45	FDS	TAL PIT
	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	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 17:42	SAT	TAL PIT
	Instrument ID: CHICS2100B									
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 08:59	RSK	TAL PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 10:51	RSK	TAL PIT
	Instrument ID: NEMO									
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 12:07	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 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: 180-119762-1

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		1			353748	04/20/21 13:21	EPS	TAL PIT
	Instrument ID: CHIC2100A									

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									

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									

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

Date Collected: 03/30/21 12:49
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-1

Matrix: Water

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			04/10/21 21:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 21:47	1
Sulfate	**1.2**		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
Barium	**0.047**		0.010	0.0016	mg/L		04/14/21 12:00	04/20/21 10:11	1
Beryllium	**0.00025**	**J**	0.0025	0.00018	mg/L		04/14/21 12:00	04/20/21 10:11	1
Boron	**0.041**	**J 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
Calcium	**2.2**		0.50	0.13	mg/L		04/14/21 12:00	04/20/21 10:11	1
Chromium	**0.0026**		0.0020	0.0015	mg/L		04/14/21 12:00	04/20/21 10:11	1
Cobalt	**0.0013**	**J**	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
Thallium	**0.00035**	**J 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
Total Dissolved Solids	**32**		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	**5.28**				SU			03/30/21 12:49	1

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

Job ID: 180-119437-1

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

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

Date Collected: 03/30/21 11:00
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-5

Matrix: Water

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

Date Collected: 03/30/21 16:02
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-6

Matrix: Water

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

Date Collected: 03/30/21 12:50
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-7

Matrix: Water

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

Date Collected: 03/30/21 14:15
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-8

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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: 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: 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

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
Boron	**0.054**	**J 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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

Client Sample ID: FB_1(AP-1)

Date Collected: 03/30/21 11:35
Date Received: 04/02/21 10:00

Lab Sample ID: 180-119437-12

Matrix: Water

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
Boron	**0.050**	**J 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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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: 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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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

Date Collected: 04/01/21 09:37
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119479-3

Matrix: Water

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

Date Collected: 04/01/21 14:55
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119479-4

Matrix: Water

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 04:45	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 04:45	1
Sulfate	**37**		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
Arsenic	**0.00033**	**J**	0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:03	1
Barium	**0.029**		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
Boron	**0.55**		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
Calcium	**1.2**		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:03	1
Chromium	**0.012**		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:03	1
Cobalt	**0.0049**		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
Total Dissolved Solids	**88**		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	**5.24**				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

Date Collected: 04/01/21 13:40
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119479-5

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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
Total Dissolved Solids	11		10	10	mg/L			04/08/21 18:48	1

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

Job ID: 180-119437-1

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

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			04/10/21 18:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 18:47	1
Sulfate	**1.1**		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
Barium	**0.041**		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
Calcium	**5.5**		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:55	1
Chromium	**0.018**		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
Total Dissolved Solids	**57**		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	**5.72**				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

Date Collected: 03/31/21 12:13
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-2

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.1**		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
Barium	**0.011**		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
Calcium	**1.6**		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
Total Dissolved Solids	**35**		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	**5.50**				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

Date Collected: 03/31/21 14:22
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-4

Matrix: Water

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

Date Collected: 03/31/21 13:00
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-5

Matrix: Water

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

Date Collected: 03/31/21 14:04
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-9

Matrix: Water

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: 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

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 18:15	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 18:15	1
Sulfate	**120**		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
Barium	**0.072**		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
Boron	**0.47**		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
Calcium	**30**		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
Cobalt	**0.0011**	**J**	0.0025	0.00013	mg/L		04/16/21 13:15	04/20/21 08:56	1
Lead	**0.00015**	**J**	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
Total Dissolved Solids	**240**		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	**5.73**				SU			03/31/21 11:45	1

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

Job ID: 180-119437-1

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

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

Date Collected: 04/06/21 10:49
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119762-1

Matrix: Water

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			04/20/21 13:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/20/21 13:21	1
Sulfate	**190**		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
Barium	**0.048**		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
Boron	**1.6**		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
Calcium	**42**		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
Cobalt	**0.0072**	**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
Thallium	**0.00017**	**J 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
Total Dissolved Solids	**320**		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
pH	**5.84**				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

Date Collected: 04/07/21 12:23
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119799-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.8**		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
Sulfate	**1.3**		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
Barium	**0.046**		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
Boron	**0.68**		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
Calcium	**1.9**		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
Cobalt	**0.019**	**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
Total Dissolved Solids	**40**		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	**5.18**				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

Date Collected: 04/07/21 14:48
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119799-2

Matrix: Water

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

Date Collected: 04/07/21 15:25
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119799-3

Matrix: Water

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

Date Collected: 04/07/21 14:09
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119799-4

Matrix: Water

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-1

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

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

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

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

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		

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

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		

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

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	%Rec. Limits
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	%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

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

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

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	%Rec. Limits
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	%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

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

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	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

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	%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	%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	%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	%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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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	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

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

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00255		mg/L		102	80 - 120		

Lab Sample ID: 180-119812-E-1-E MS
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00110		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	%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	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

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

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

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	

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	

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	

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

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

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

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	

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	

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	

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	

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3-30-21	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 1 day			

180-119437 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, Tl	Cl, F, SO4, TDS	Radium 226 + 228	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
								4	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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by: Dawn Prell	Company: Golder Ass.	Date/Time: 3/31/21 0809	Received by: Elaine COOK	Company: Courier NOW	Date/Time: 3/31/21 8:14
Relinquished by: 3/31/21	Company: ETA	Date/Time: 10:00	Received by: ETA	Company: 3/31/21	Date/Time: 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Watson	Company: ETA PITT	Date/Time: 4-2-21 1000

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3-30-21	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	2 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
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	
								4	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.

☐ 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	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: Golder Ass.	Date/Time: 3/31/0804	Received by: Elaine Cook	Company: Courier Now	Date/Time: 3/31/21 8:14
Relinquished by: 3/31/21	Company: ETA	Date/Time: 10:00	Received by: ETA	Company: 3/31/21	Date/Time: 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETA PLT	Date/Time: 4-2-21 10:00

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

5/5/2021 (Rev. 1)

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.1.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __2__ COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-6	4/1/2021	12:26	G	GW	5			X	X	X	pH= 6.31
SGWC-7	4/1/2021	11:10	G	GW	5			X	X	X	pH= 6.44
SGWC-8	4/1/2021	9:37	G	GW	5			X	X	X	pH= 6.32
SGWC-16	4/1/2021	14:55	G	GW	5			X	X	X	pH= 5.24
SGWC-17	4/1/2021	13:40	G	GW	5			X	X	X	pH= 6.25
DUP-2 (AP-1)	4/1/2021	------	G	GW	5			X	X	X	
EB-2 (AP-1)	4/1/2021	14:15	G	W	5			X	X	X	
								4	1	4	

180-119479 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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Golder Assoc.	Date/Time: 4-2-21 1049	Received by:	Company: Pace	Date/Time: 4/2/21 1049
Relinquished by:	Company: Golder Assoc.	Date/Time: 4/2/21 1757	Received by: ETNA	Company:	Date/Time: 4/2/21 1752
Relinquished by: ETNA	Company:	Date/Time: 4/2/21 1800	Received in Laboratory by:	Company:	Date/Time: 4-3-21 10:45

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

5/5/2021 (Rev. 1)

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 03.31.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			
JAbraham@southernco.com	☐ 2 weeks			
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			
P O # 18019884	☐ 1 day			

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, Tl	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	
								4	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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Golder Ass.	3-31-21/0801	Elaine Cook	Courier Now	4/1/21 8:11
Relinquished by: ETA	Company: 1600	Date/Time: 4/01/21	Received by:	Company: ETA	Date/Time: 4/01/21 10:02
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETA PIT	Date/Time: 4-3-21

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

1045

5/5/2021 (Rev. 1)

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.6.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			Job / SDG No.:
Site: Georgia	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-14	4/6/2021	10:49	G	GW	5			X	X	X	pH= 5.84
								4	1	4	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by: Jeff Zee	Golder	4-7-21 0850	Received by: Elaine Cook	Courier NOW	4/7/21 8:25
Relinquished by:	Company: ETA 10:00 4/7/21	Date/Time:	Received by:	Company: ETA	Date/Time: 4/7/21 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 4-9-21 9:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

5/5/2021 (Rev. 1)

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.7.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	___1___ of __1__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			Job / SDG No.:
Site: Georgia	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-11	4/7/2021	12:23	G	GW	5			X	X	X	pH= 5.18
SGWC-12	4/7/2021	14:48	G	GW	5			X	X	X	pH= 6.44
SGWC-13	4/7/2021	15:25	G	GW	5			X	X	X	pH= 6.07
SGWA-25	4/7/2021	14:09	G	GW	5			X	X	X	pH= 6.12
FB-2 (AP-1)	4/7/2021	13:45	G	W	5			X	X	X	

180-119799 Chain of Custody

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

		4	1	4

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Golder Assoc.	Date/Time: 4-8-21/1030	Received by:	Company: ETA	Date/Time: 4/8/21 10:36
Relinquished by: 4/8/21 16:01	Company:	Date/Time: ETA	Received by: Desiree Watson	Company: FedEx	Date/Time: 4-9-21 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

5/5/2021 (Rev. 1)


GEORGE TAYLOR (678) 966-2991
EUROFINS TESTING AMERICA, A[illegible] SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US
SHIP D[illegible]: 31MAR21
ACTWGT: [illegible].65 LB
CAD: 859116/CAFE3409
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx Express
3 of 5
MPS# 0263 1516 9329 0858
Mstr# 1516 9329 0836
0201
THU - 01 A[illegible]
STANDARD OVE[illegible]
UH AGCA
PA-US
Uncorrected temp 3.1 °C
Thermometer ID 14
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
15238
PIT
UH AGCA
Uncorrected temp 2.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18
2 of 5
MPS# 0263 1516 9329 0847
Mstr# 1516 9329 0836
0201
THU - 01 APR 4:30P
STANDARD OVERNIGHT
15238
PIT
UH AGCA
PA-US
Uncorrected temp 2.3 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18


GEORGE TAYLOR
EUROFINS TESTING AMERICA, A
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US
SHIP D
ACTWGT: 58.65 LB
CAD: 859116/CAFE3409
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx
Express
3 of 5
MPS# 0263 1516 9329 0858
Mstr# 1516 9329 0836
0201
THU - 01 A
STANDARD OVE
UH AGCA
PA-US
Uncorrected temp
Thermometer ID
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
15238
PIT
UH AGCA
Uncorrected temp
Thermometer ID
CF 0
Initials
PT-WI-SR-001 effective 11/8/18
2 of 5
MPS# 0263 1516 9329 0847
Mstr# 1516 9329 0836
0201
THU - 01 APR 4:30
STANDARD OVERNIGHT
15238
PIT
UH AGCA
PA-US
Uncorrected temp
Thermometer ID
CF 3
Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

3434 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 RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

J2011201218011v

5 of 5
MPS# 0263 1516 9329 2107
Mstr# 1516 9329 2060 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PIT

Uncorrected temp 3.7 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

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: [illegible]21
ACTWGT: 60
CAD: 85911[illegible]3409

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

J2011201218011v

2 of 5
MPS# 0263 1516 9329 2070
Mstr# 1516 9329 2060 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA - US PIT

Uncorrected temp 3.6 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

180-119479 Waybill

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
ACTWGT: 60.40 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

FedEx Express

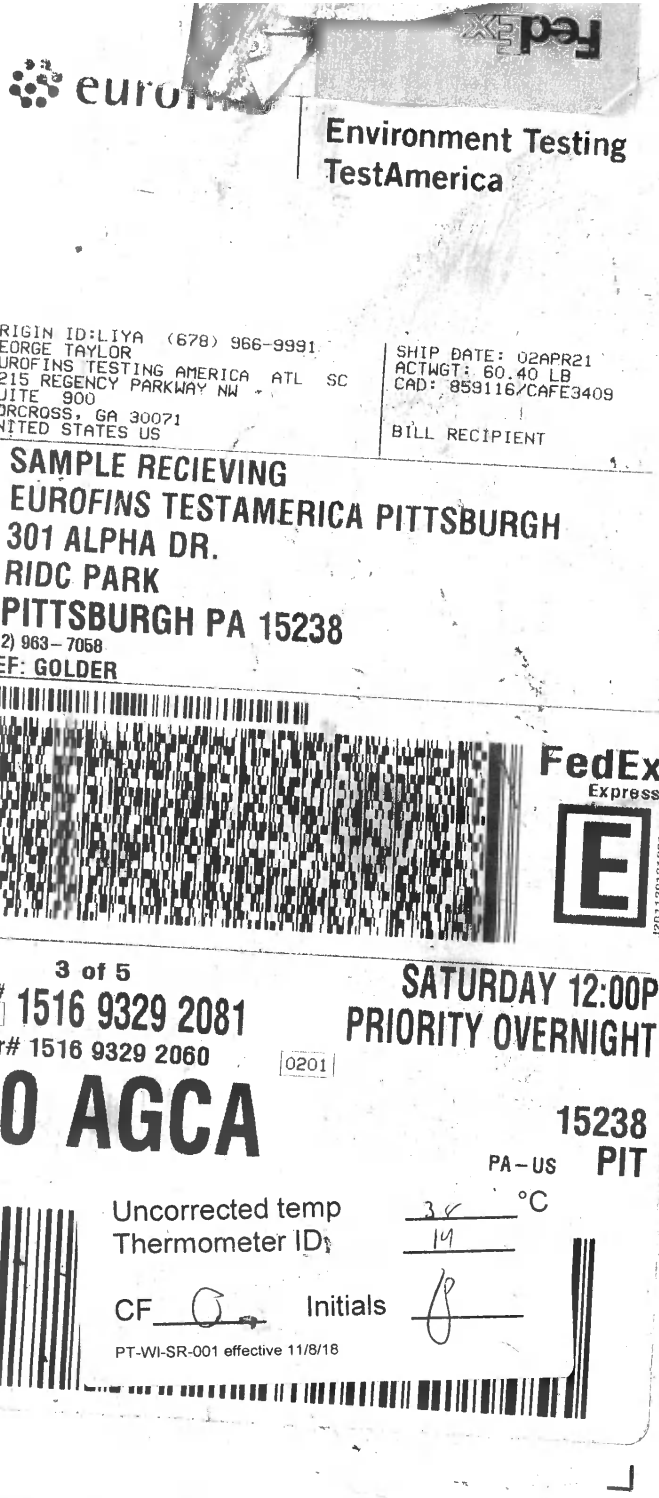
4 of 5
MPS# 0263 1516 9329 2092
Mstr# 1516 9329 2060 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18



eurofins
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

SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

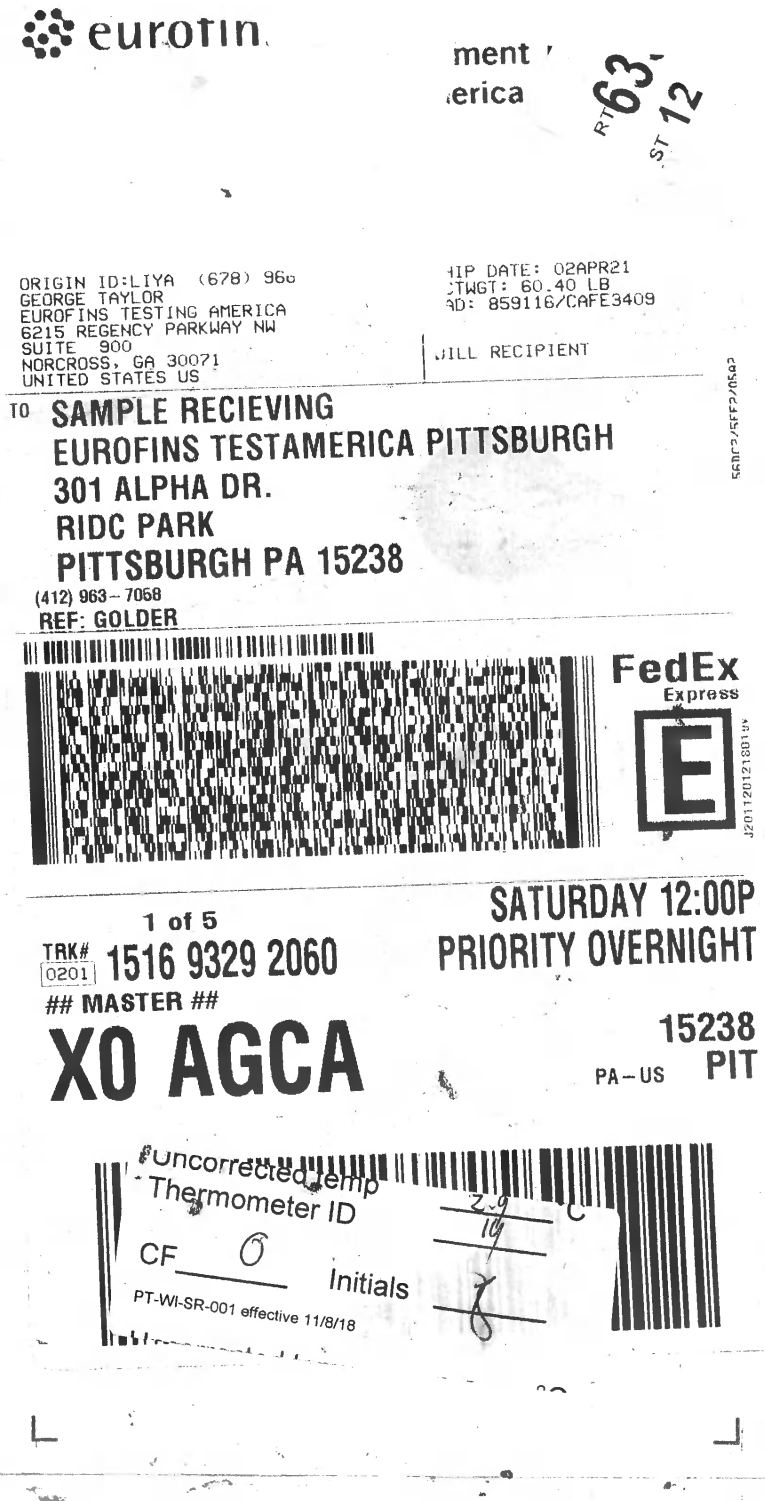
3 of 5
MPS# 0263 1516 9329 2081
Mstr# 1516 9329 2060
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA-US PIT

Uncorrected temp 3.6 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18



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RT 63.
ST 12

ORIGIN ID:LIYA (678) 96
GEORGE TAYLOR
EUROFINS TESTING AMERICA
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

HIP DATE: 02APR21
CTWGT: 60.40 LB
AD: 859116/CAFE3409

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

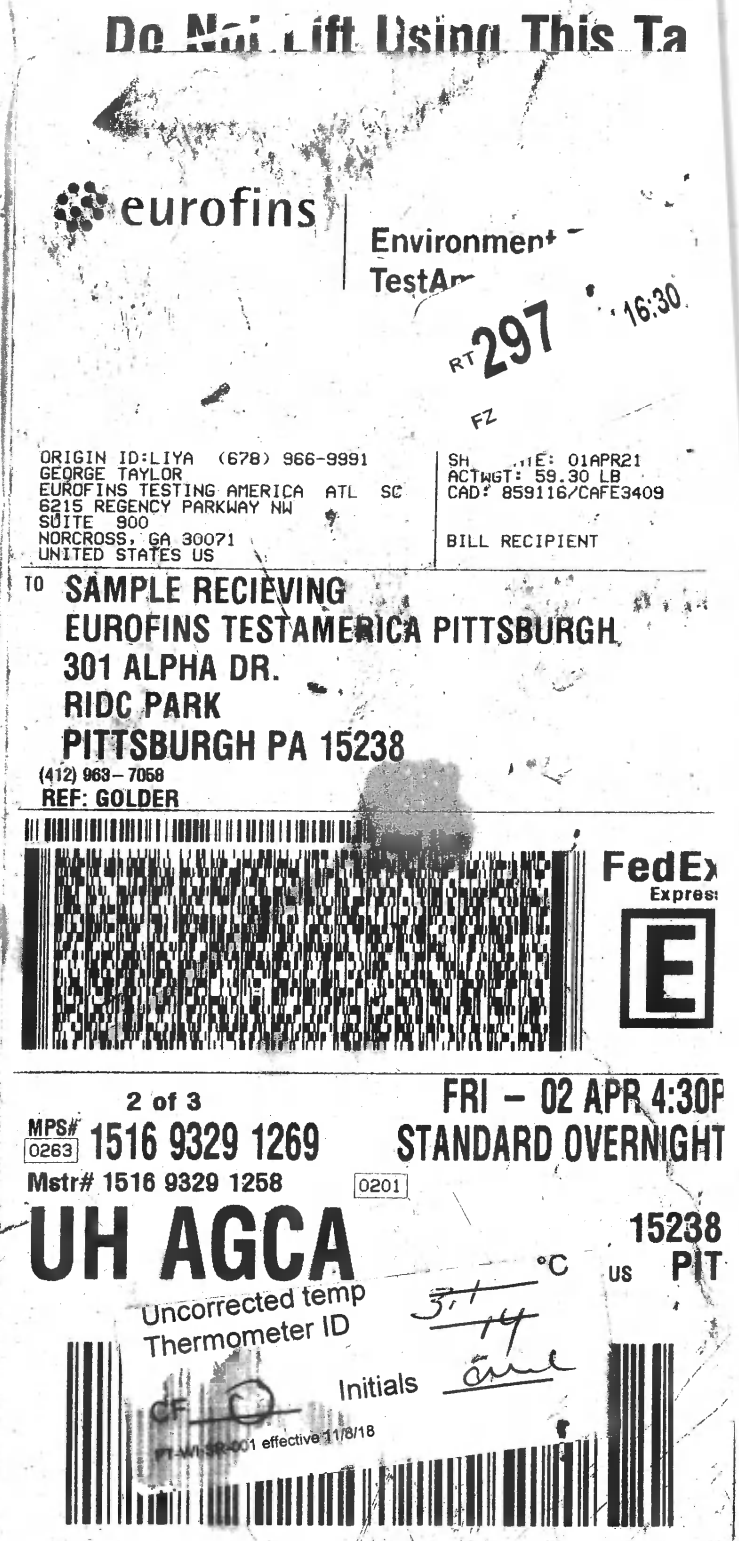
1 of 5
TRK# 0201 1516 9329 2060
MASTER

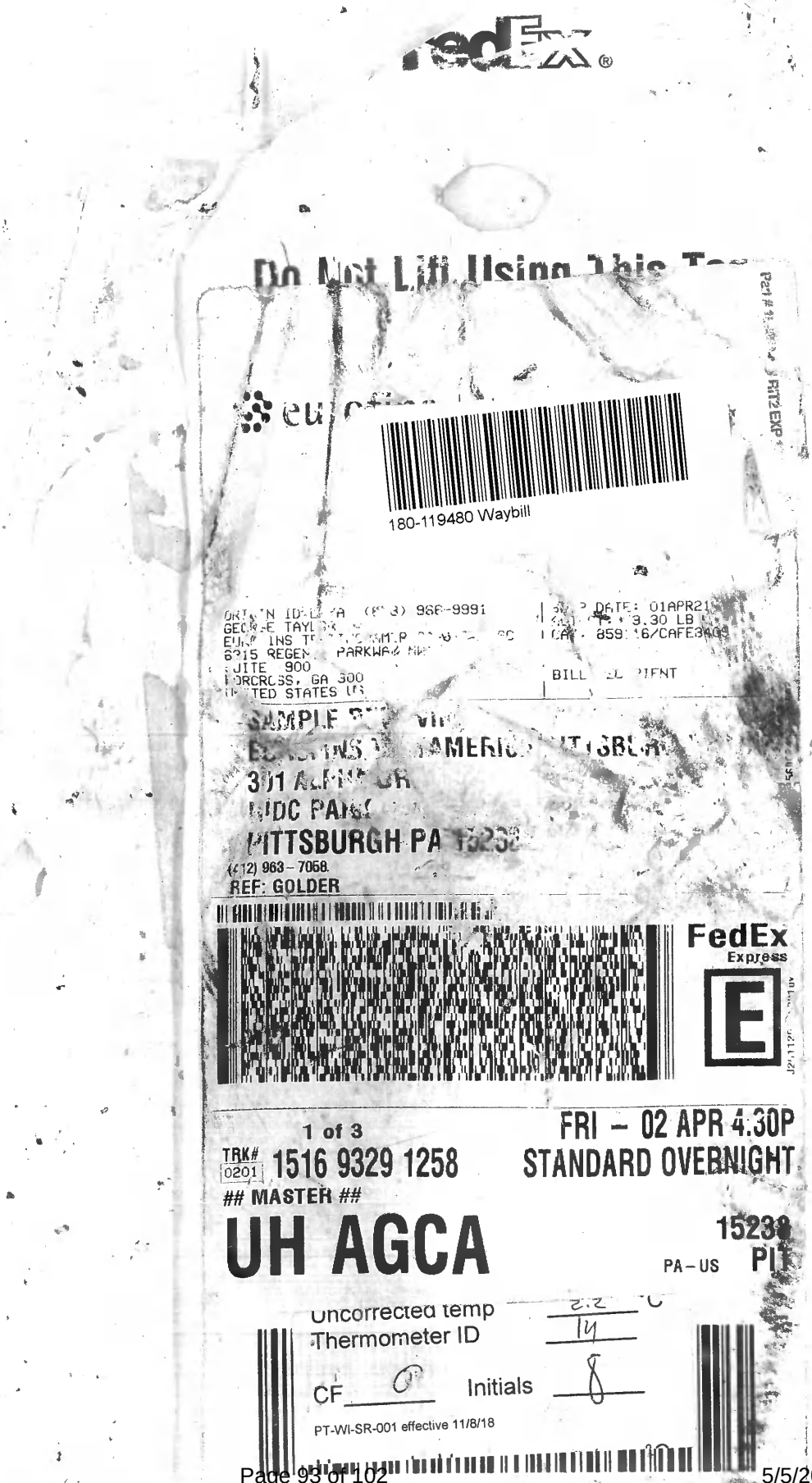
SATURDAY 12:00P
PRIORITY OVERNIGHT

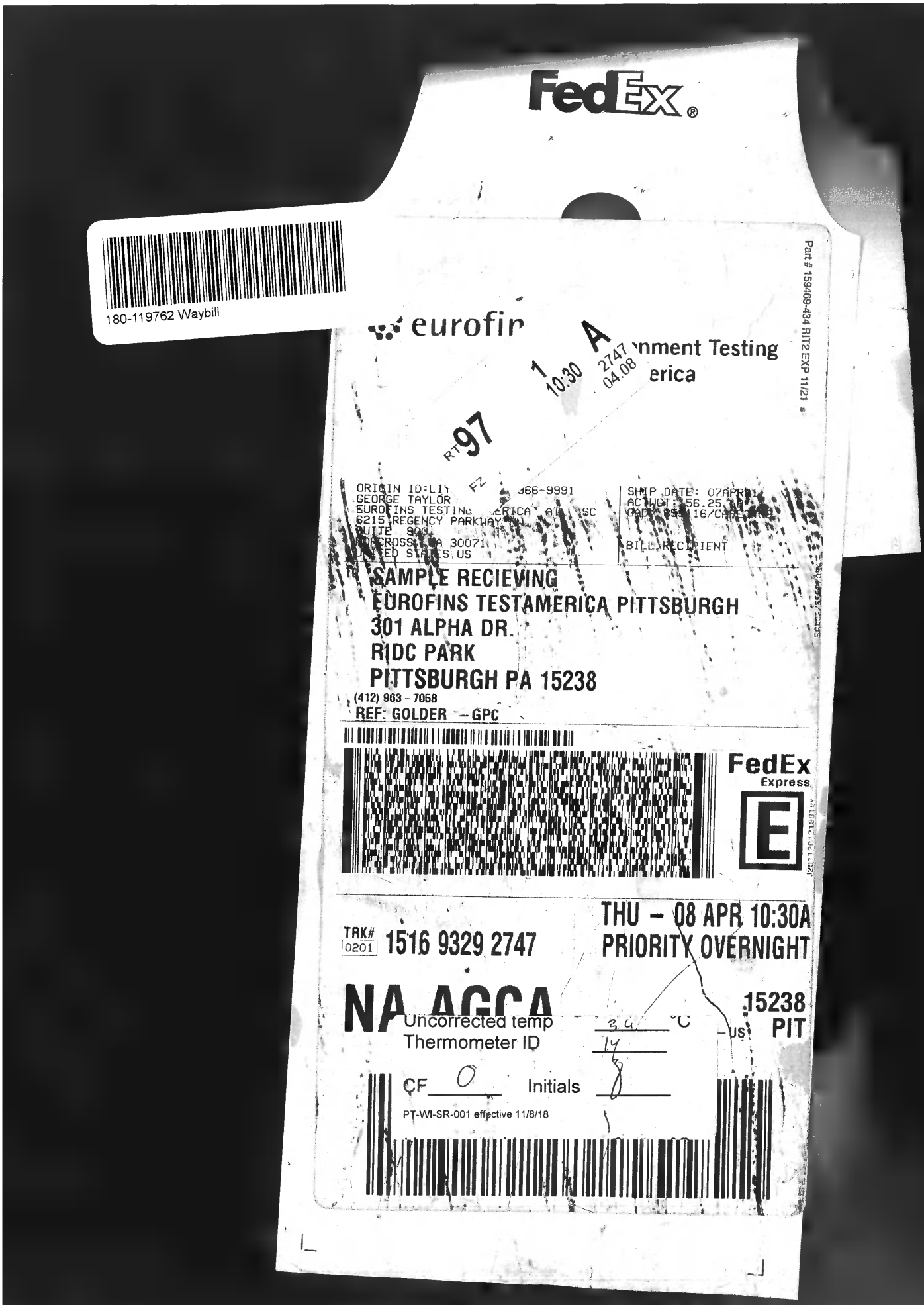
XO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18


Do Not Lift Using This Ta
eurofins
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 ...IE: 01APR21
ACTWGT: 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
FedEx
Express
2 of 3
MPS# 0263 1516 9329 1269
Mstr# 1516 9329 1258
FRI - 02 APR 4:30P
STANDARD OVERNIGHT
0201
UH AGCA
15238
PIT
US
°C
Uncorrected temp
Thermometer ID
Initials
CF
effective 11/8/18
180-119450 Waybill


Do Not Lift Using This
180-119480 Waybill
(412) 963-7058
REF: GOLDER
FedEx
Express
1 of 3
TRK# 0201 1516 9329 1258
FRI - 02 APR 4:30P
STANDARD OVERNIGHT
MASTER
UH AGCA
PA-US
Uncorrected temp
Thermometer ID
CF
Initials
PT-WI-SR-001 effective 11/8/18


FedEx
180-119762 Waybill
eurofin
nment Testing
erica
Part # 159469-434 RIT2 EXP 11/21
RT97
10:30
2747
04.08
ORIGIN ID:LIY FZ 366-9991
GEORGE TAYLOR
EUROFINS TESTING ERICA AT SC
6215 REGENCY PARKWAY
SUITE 900
BILL RECIPIENT
SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER -GPC
FedEx
Express
TRK# 0201 1516 9329 2747
THU - 08 APR 10:30A
PRIORITY OVERNIGHT
NA AGCA
15238
PIT
Uncorrected temp
Thermometer ID
CF 0
Initials
PT-WI-SR-001 effective 11/8/18

Do Not Lift Using This Tag

eurofins | Environment Testing TestAmerica

Part # 159469-434 RI

180-119799 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: 08APR21
ACTWGT: 40.45 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 - PLT SCHERER

FedEx Express E

3 of 3
MPS# 0263 1516 9329 3066
Mstr# 1516 9329 3044 0201

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.2 °C
Thermometer ID 14
CF 0 Initials [signature]
PT-WI-SR-001 effective 11/8/18

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Part # 159469-434 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: 08APR21
ACTWGT: 40.45 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 - PLT SCHERER

FedEx Express E

1 of 3
TRK# 0201 1516 9329 3044
MASTER

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.5 °C
Thermometer ID 14
CF 0 Initials [signature]
PT-WI-SR-001 effective 11/8/18

Do Not Lift Using This Tag

eurofins | Environment Testing TestAmerica

Part # 159469-434 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: 08APR21
ACTWGT: 40.45 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 - PLT SCHERER

FedEx Express

E

2 of 3
MPS# 0263 1516 9329 3055
Mstr# 1516 9329 3044 0201

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
1-US PIT

Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-1

Login Number: 119437
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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 Number: 1
Creator: Watson, Debbie

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?	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: 180-119437-1

Login Number: 119480
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 2
Creator: Kovitch, Christina M

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: 180-119437-1

Login Number: 119762
List Number: 1
Creator: Watson, Debbie

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.	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: 180-119437-1

Login Number: 119799
List Number: 1
Creator: Watson, Debbie

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?	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	

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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

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

Table of Contents

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 2.1º C, 2.2º C, 2.3º C, 2.9º C, 2.9º C, 3.1º C, 3.1º C, 3.1º C, 3.2º C, 3.4º C, 3.5º C, 3.7º C, 3.8º C and 3.8º 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),

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.

Job ID: 180-119437-2 (Continued)

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
Job ID: 180-119437-2
Project/Site: Plant Scherer Ash Pond

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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.

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
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	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
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	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
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	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
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-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									

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
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	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
Date Collected: 03/31/21 13:00
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-5
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			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
Date Collected: 03/31/21 14:04
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-9
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			1000.14 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
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-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
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	Ra226_Ra228		1			509267	05/11/21 16:34	SCB	TAL SL

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	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
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	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
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	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)

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	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 = Aamber Woods
FLC = Fernando Cruz
SCB = Sarah Bernsen

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

Job ID: 180-119437-2

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

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
Radium-228	**0.445**		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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: 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: 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

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: 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
Radium-228	**0.509**		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
Combined Radium 226 + 228	**0.572**		0.297	0.301	5.00	0.431	pCi/L		05/11/21 16:35	1

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

Job ID: 180-119437-2

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

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: 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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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 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

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
Radium-228	**0.515**		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
Combined Radium 226 + 228	**0.544**		0.249	0.254	5.00	0.347	pCi/L		05/05/21 21:56	1

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

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: 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

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: 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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: 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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

Client Sample ID: SGWC-10

Date Collected: 03/31/21 13:00
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-5

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	0.00769	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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

Client Sample ID: SGWC-15

Date Collected: 03/31/21 14:04
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119480-9

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	0.0693	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: 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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: 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 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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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: 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: Southern Company
Project/Site: Plant Scherer Ash Pond

Job ID: 180-119437-2

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

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

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*40 - 110*	*04/07/21 17:58*	*05/04/21 08:26*	*1*

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.29		1.16	1.00	0.0981	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.8*		*40 - 110*

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 Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0353	U		0.02878	U	0.0564	1.00	0.101	pCi/L			0.06	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*82.9*		*40 - 110*

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*40 - 110*	*04/09/21 10:54*	*05/05/21 08:13*	*1*

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.90		1.23	1.00	0.135	pCi/L	105	75 - 125		

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

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*40 - 110*	*04/19/21 09:13*	*05/11/21 09:54*	*1*

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.82		1.22	1.00	0.103	pCi/L	104	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.6*		*40 - 110*

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	11.39		1.19	1.00	0.133	pCi/L	100	75 - 125	0.18	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*82.7*		*40 - 110*

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*40 - 110*	*04/07/21 19:45*	*04/16/21 13:50*	*1*
Y Carrier	*84.9*		*40 - 110*	*04/07/21 19:45*	*04/16/21 13:50*	*1*

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		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
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

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
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

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.8*		*40 - 110*
Y Carrier	*87.1*		*40 - 110*

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	RER Limit
Radium-228			7.26	7.229		0.905	1.00	0.338	pCi/L	100	75 - 125	0.06	1

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
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	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		
Radium-228			7.25	8.374		1.02	1.00	0.399	pCi/L	115	75 - 125		

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	RER Limit
Radium-228			7.25	8.650		1.07	1.00	0.425	pCi/L	119	75 - 125	0.13	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*80.6*		*40 - 110*
Y Carrier	*84.1*		*40 - 110*

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER 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*

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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	

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	

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	

TestAmerica Pittsburgh
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3-30-21	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __2__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			
Atlanta, GA 30308	TAT if different from Below ___3-5 days____			
JAbraham@southernco.com	☐ 2 weeks			
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			
P O # 18019884	☐ 1 day			

180-119437 Chain of Custody

Use Only:
Client:
pling:
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, Tl	Cl, F, SO4, TDS	Radium 226 + 228	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
								4	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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by: Dawn Prell	Company: Golder Ass.	Date/Time: 3/31/2108:09	Received by: Elaine COOK	Company: Courier NOW	Date/Time: 3/31/21 8:14
Relinquished by: 3/31/21	Company: ETA	Date/Time: 10:00	Received by: ETA	Company: 3/31/21	Date/Time: 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Watson	Company: ETA PITT	Date/Time: 4-2-21 10:00

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 3-30-21	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__2__ of __2__ COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
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	
								4	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.

☐ 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	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____	
Relinquished by:	Company: Golder Assoc.	Date/Time: 3/31/0804	Received by: Elaine Cook	Company: Courier Now	Date/Time: 3/31/21 8:14	
Relinquished by: 3/31/21	Company: ETA	Date/Time: 10:00	Received by: ETA	Company: 3/31/21	Date/Time: 10:00	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETA PLH	Date/Time: 4-2-21 10:00	

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5/12/2021

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.1.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O # 18019884	☐ 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)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-6	4/1/2021	12:26	G	GW	5			X	X	X	pH= 6.31
SGWC-7	4/1/2021	11:10	G	GW	5			X	X	X	pH= 6.44
SGWC-8	4/1/2021	9:37	G	GW	5			X	X	X	pH= 6.32
SGWC-16	4/1/2021	14:55	G	GW	5			X	X	X	pH= 5.24
SGWC-17	4/1/2021	13:40	G	GW	5			X	X	X	pH= 6.25
DUP-2 (AP-1)	4/1/2021	------	G	GW	5			X	X	X	
EB-2 (AP-1)	4/1/2021	14:15	G	W	5			X	X	X	
								4	1	4	

180-119479 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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Golder Assoc.	Date/Time: 4-2-21 1049	Received by:	Company: Pace	Date/Time: 4/2/21 1049
Relinquished by:	Company: Golder Assoc.	Date/Time: 4/2/21 1757	Received by: ETNA	Company:	Date/Time: 4/2/21 1752
Relinquished by: ETNA	Company:	Date/Time: 4/2/21 1800	Received in Laboratory by:	Company: ETNA	Date/Time: 4-3-21 10:45

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

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Chain of Custody Record

244- ATLANTA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 03.31.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __2__ COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			
JAbraham@southernco.com	☐ 2 weeks			
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			
P O # 18019884	☐ 1 day			

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, Tl	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	
								4	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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Golder Ass.	Date/Time: 4-2-21/0801	Received by: Elaine Cook	Company: Courier Now	Date/Time: 4/1/21 8:11
Relinquished by: ETA	Company: 1600	Date/Time: 4/01/21	Received by:	Company: ETA	Date/Time: 4/01/21 10:02
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Bradley Walton	Company: ETA PIT	Date/Time: 4-3-21

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1045

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.6.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			Job / SDG No.:
Site: Georgia	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-14	4/6/2021	10:49	G	GW	5			X	X	X	pH= 5.84
								4	1	4	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by: Jeff Zee	Golder	4-7-21 0850	Received by: Elaine Cook	Courier NOW	4/7/21 8:25
Relinquished by:	Company: ETA 10:00 4/7/21	Date/Time:	Received by:	Company: ETA	Date/Time: 4/7/21 10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 4-9-21 9:30

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5/12/2021

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	4.7.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	___1___ of __1__ COCs
Southern Company	**Analysis Turnaround Time**			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: As, B, Ba, Be, Ca, Cd, Cr, Co, Pb, Li, Hg, Mo, Se, Tl	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-11	4/7/2021	12:23	G	GW	5			X	X	X	pH= 5.18
SGWC-12	4/7/2021	14:48	G	GW	5			X	X	X	pH= 6.44
SGWC-13	4/7/2021	15:25	G	GW	5			X	X	X	pH= 6.07
SGWA-25	4/7/2021	14:09	G	GW	5			X	X	X	pH= 6.12
FB-2 (AP-1)	4/7/2021	13:45	G	W	5			X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								**4**	**1**	4	

180-119799 Chain of Custody

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Golder Assc.	Date/Time: 4-8-21/1030	Received by:	Company: ETA	Date/Time: 4/8/21 10:36
Relinquished by:	Company:	Date/Time: 4/8/21 16:01	Received by: Desirae Watson	Company: FTAPitt	Date/Time: 4-9-21 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

5/12/2021


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EUROFINS TESTING AMERICA, A... SC
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NORCROSS, GA 30071
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ACTWGT: 55.65 LB
CAD: 859116/CAFE3409
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx Express
3 of 5
MPS# 0263 1516 9329 0858
Mstr# 1516 9329 0836
0201
THU - 01 A...
STANDARD OVE...
UH AGCA
PA-US
Uncorrected temp 3.1 °C
Thermometer ID 14
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
15238
PIT
UH AGCA
Uncorrected temp 2.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18
2 of 5
MPS# 0263 1516 9329 0847
Mstr# 1516 9329 0836
0201
THU - 01 APR 4:30P
STANDARD OVERNIGHT
15238
PIT
UH AGCA
PA-US
Uncorrected temp 2.3 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18


GEORGE TAYLOR (678) 966-2991
EUROFINS TESTING AMERICA, A... SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US
SHIP D... : 31MAR21
ACTWGT: 55.65 LB
CAD: 859116/CAFE3409
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx Express
3 of 5
MPS# 0263 1516 9329 0858
Mstr# 1516 9329 0836
0201
THU - 01 A...
STANDARD OVE...
UH AGCA
PA-US
Uncorrected temp 3.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18
180-119437 Waybill
1 of 5
TRK# 0201 1516 9329 0836
STANDARD OVERNIGHT
MASTER
UH AGCA
15238
PIT
Uncorrected temp 2.1 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18
2 of 5
MPS# 0263 1516 9329 0847
Mstr# 1516 9329 0836
0201
THU - 01 APR 4:30
STANDARD OVERNIGHT
15238
PIT
UH AGCA
PA-US
Uncorrected temp 2.3 °C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

3434 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 RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

J201120121801uv

5 of 5
MPS# 0263 1516 9329 2107
Mstr# 1516 9329 2060 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PIT

Uncorrected temp 3.7 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

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: [illegible]21
ACTWGT: 60
CAD: 85911[illegible]3409

BILL RECIPIE[illegible]

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

J201120121801uv

2 of 5
MPS# 0263 1516 9329 2070
Mstr# 1516 9329 2060 0201

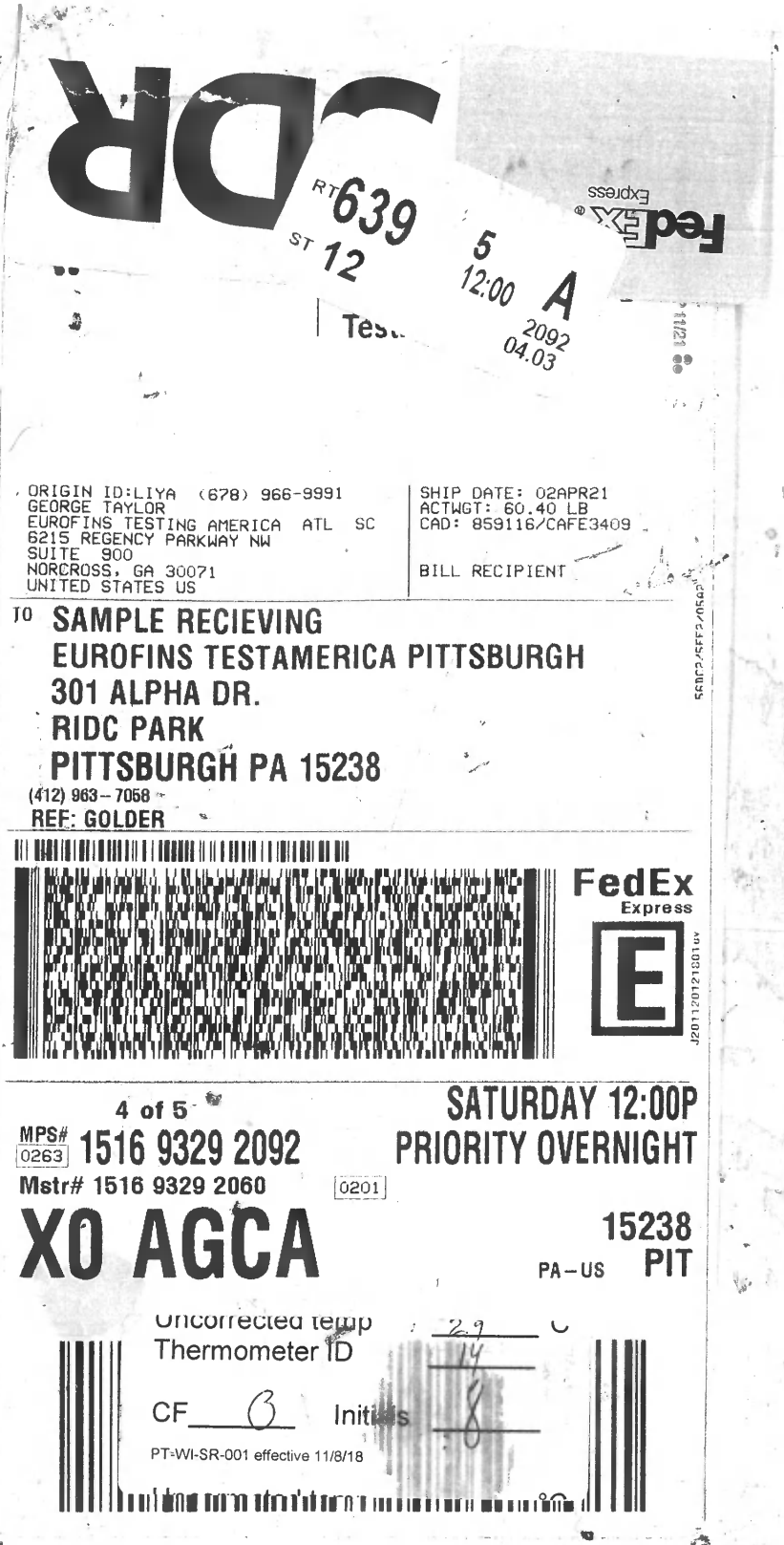
SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA - US PIT

Uncorrected temp 3.6 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

180-119479 Waybill



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
ACTWGT: 60.40 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

FedEx Express

4 of 5
MPS# 0263 1516 9329 2092
Mstr# 1516 9329 2060 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 C
Thermometer ID 14
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

eurofins

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

SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

3 of 5
MPS# 0263 1516 9329 2081
Mstr# 1516 9329 2060
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PA-US PIT

Uncorrected temp 3.6 °C
Thermometer ID 14
CF 0 Initials

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

5/12/2021

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erica

RT 63
ST 12

ORIGIN ID:LIYA (678) 96
GEORGE TAYLOR
EUROFINS TESTING AMERICA
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

HIP DATE: 02APR21
CTWGT: 60.40 LB
AD: 859116/CAFE3409

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER

FedEx Express

1 of 5
TRK# 0201 1516 9329 2060
MASTER

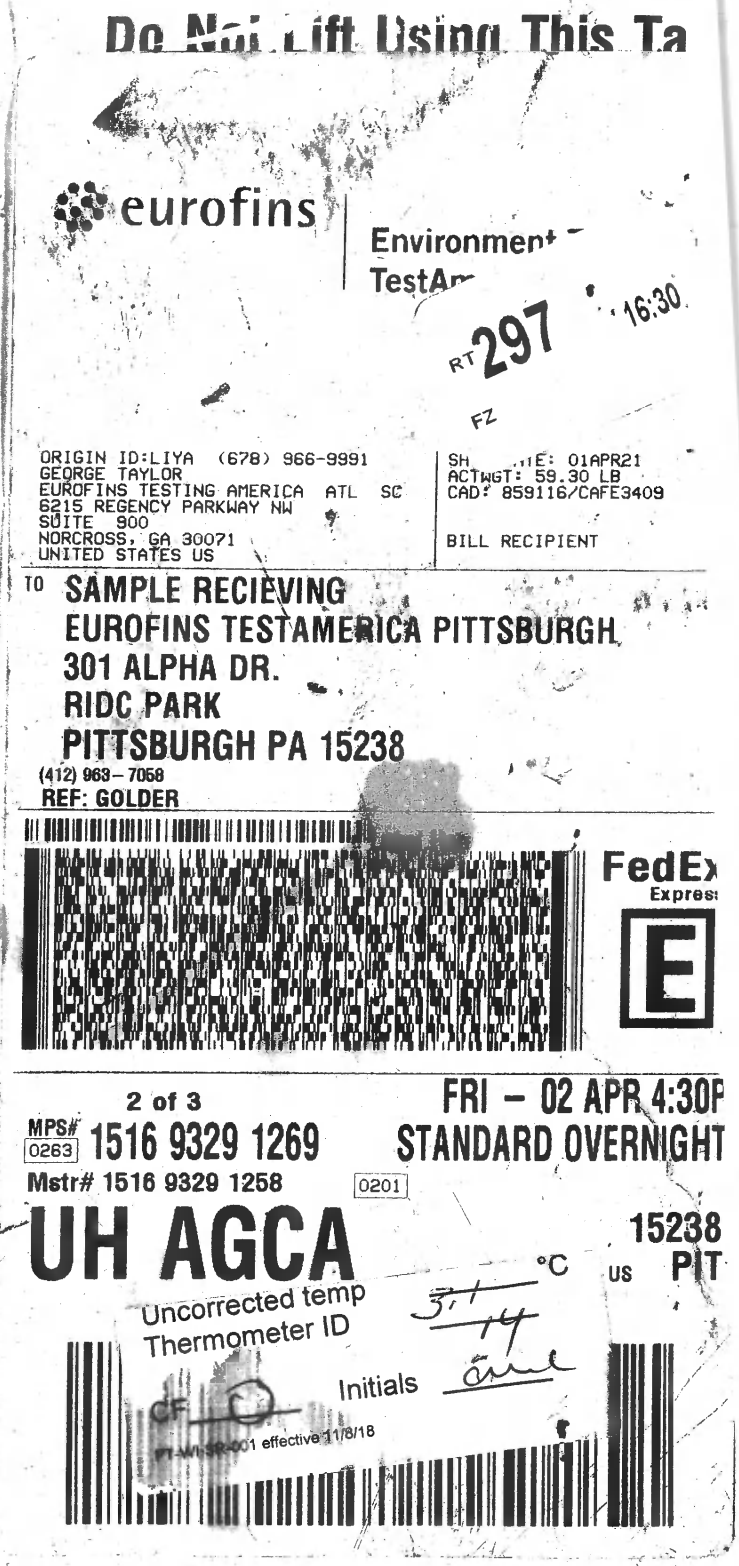
SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

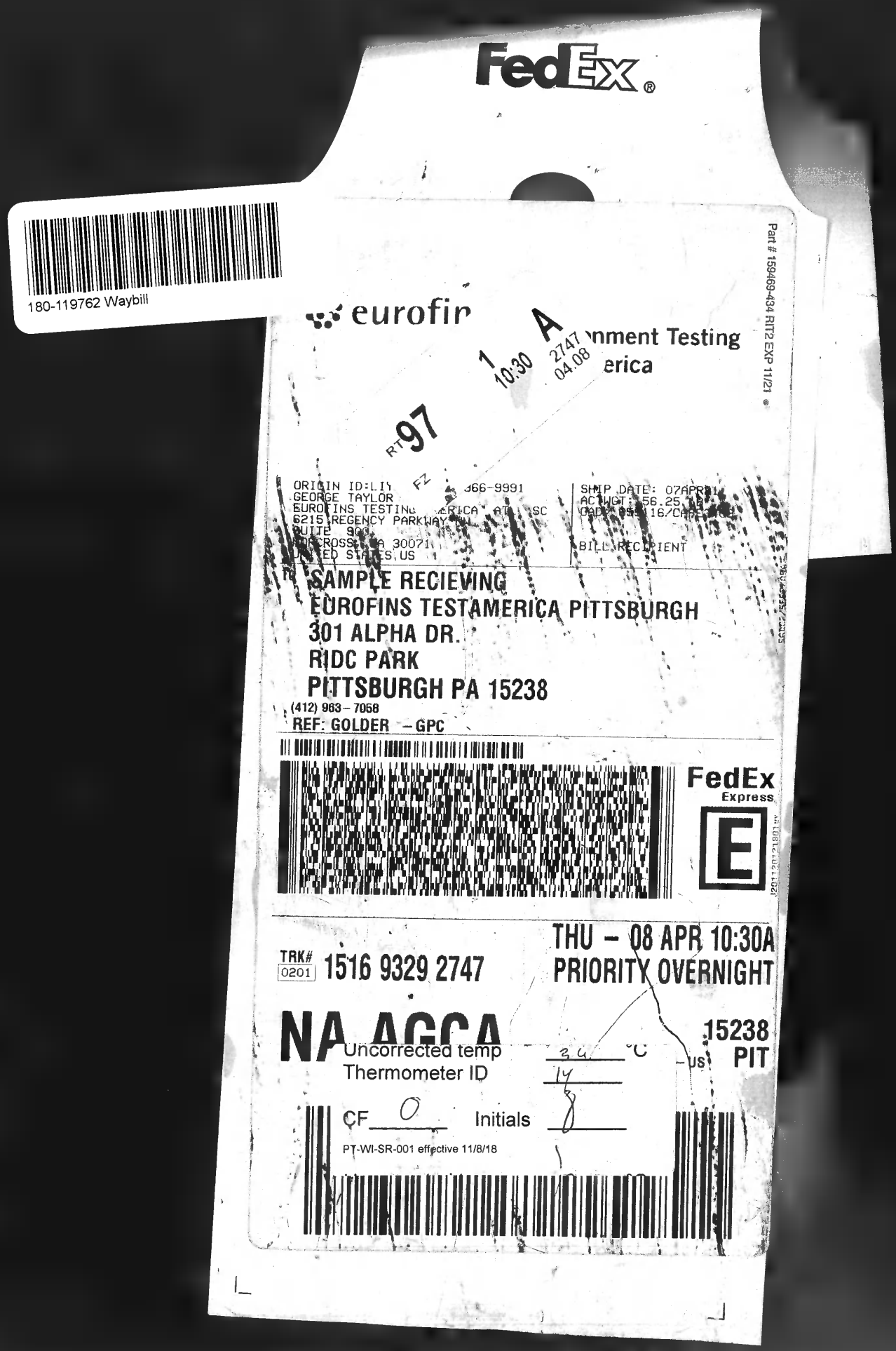
15238
PA-US PIT

Uncorrected temp 2.9 C
Thermometer ID 14
CF 0 Initials

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


Do Not Lift Using This Ta
eurofins
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 E: 01APR21
ACTWGT: 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
FedEx
Expres
2 of 3
MPS# 0263 1516 9329 1269
Mstr# 1516 9329 1258
FRI - 02 APR 4:30P
STANDARD OVERNIGHT
0201
UH AGCA
15238
PIT
US
°C
Uncorrected temp
Thermometer ID
Initials
CF
effective 11/8/18
180-119450 Waybill


Do Not Lift Using This
180-119480 Waybill
FedEx
Express
1 of 3
TRK# 0201 1516 9329 1258
FRI – 02 APR 4:30P
STANDARD OVERNIGHT
MASTER
UH AGCA
PA-US
Uncorrected temp
Thermometer ID
CF
Initials
PT-WI-SR-001 effective 11/8/18


FedEx
180-119762 Waybill
eurofin
nment Testing
erica
Part # 159469-434 RIT2 EXP 11/21
ORIGIN ID:LIY
GEORGE TAYLOR
EUROFINS TESTING
6215 REGENCY PARKWAY
SUITE 900
NORCROSS GA 30071
UNITED STATES US
BILL RECIPIENT
SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER -GPC
FedEx
Express
TRK# 0201 1516 9329 2747
THU - 08 APR 10:30A
PRIORITY OVERNIGHT
NA AGCA
15238
PIT
Uncorrected temp
Thermometer ID
CF 0
Initials
PT-WI-SR-001 effective 11/8/18

eurofins | Environment Testing TestAmerica

180-119799 Waybill

Part # 159469-434 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: 08APR21
ACTWGT: 40.45 LB
CAD: 8591161/CAFE3409

BILL RECIPIENT

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

(412) 963-7068
REF: GOLDEN - PLT SCHERER

FedEx Express

MPS# 1516 9329 3066
3 of 3
0263

Msr# 1516 9329 3044
0201

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

NA AGCA
15238
PIT
PA-US

Uncorrected temp
Thermometer ID
CF 6 Initials
PT-WI-SR-001 effective 11/8/18

3.2 °C
14
8

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: 08APR21
ACTWGT: 40.45 LB
CAD: 8591161/CAFE3409

BILL RECIPIENT

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

(412) 963-7068
REF: GOLDEN - PLT SCHERER

FedEx Express

TRK# 1516 9329 3044
1 of 3
0201

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

MASTER

NA AGCA
15238
PIT
PA-US

Uncorrected temp
Thermometer ID
CF 6 Initials
PT-WI-SR-001 effective 11/8/18

3.5 °C
14
8

Do Not Lift Using This Tag

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Part # 159469-434 RIT2 EXP 11/21

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

SHIP DATE: 08APR21
ACTWGT: 40.45 LB
CAD: 8591167/CAFE3409

BILL RECIPIENT

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

REF: GOLDER - PLT SCHERER

FedEx Express

FRI - 09 APR 10:30A
PRIORITY OVERNIGHT

2 of 3
MPS# 1516 9329 3055
0263
Mstr# 1516 9329 3044
0201

NA AGCA

15238
PIT

°C 1-US

Uncorrected temp
Thermometer ID
Initials
CF

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

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-431047.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-119437-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/16/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWA-1 (180-119437-1)	3/30/21	12:49 Eastern		Water			X	X	X	1	
SGWA-2 (180-119437-2)	3/30/21	13:47 Eastern		Water			X	X	X	1	
SGWC-6 (180-119437-3)	3/30/21	11:40 Eastern		Water			X	X	X	1	
SGWC-7 (180-119437-4)	3/30/21	10:34 Eastern		Water			X	X	X	1	
SGWC-18 (180-119437-5)	3/30/21	11:00 Eastern		Water			X	X	X	1	
SGWC-19 (180-119437-6)	3/30/21	16:02 Eastern		Water			X	X	X	1	
SGWC-20 (180-119437-7)	3/30/21	12:50 Eastern		Water			X	X	X	3	
SGWC-21 (180-119437-8)	3/30/21	14:15 Eastern		Water			X	X	X	1	
SGWA-24 (180-119437-9)	3/30/21	11:43 Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-431047.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-119437-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/16/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB_1(AP-1) (180-119437-11)	3/30/21	17:03 Eastern		Water			X	X	X	1	
FB_1(AP-1) (180-119437-12)	3/30/21	11:35 Eastern		Water			X	X	X	1	
DUP_1(AP-1) (180-119437-13)	3/30/21	Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
	Relinquished by:	Date/Time: 4/15/21 1700	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

5/12/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

Login Number: 119437
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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 Number: 1
Creator: Watson, Debbie

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?	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 </= 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.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

Login Number: 119480
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 2
Creator: Kovitch, Christina M

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: 180-119437-2

Login Number: 119480
List Number: 3
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 </= 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.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119437-2

Login Number: 119762
List Number: 1
Creator: Watson, Debbie

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.	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 Number: 1
Creator: Watson, Debbie

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?	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	

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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

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

Table of Contents

Case Narrative

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

Job ID: 180-119482-1

Job ID: 180-119482-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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 2.2º 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.

Definitions/Glossary

Client: Southern Company
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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.
¤	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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Date Collected: 04/02/21 09:55
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-1
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	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
Date Collected: 04/02/21 10:11
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-2
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	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
Date Collected: 04/02/21 10:19
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-3
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 13:40	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
Date Collected: 04/02/21 10:15
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-4
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 13:43	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

Client: Southern Company
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

Date Collected: 04/02/21 10:11
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-2

Matrix: Water

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

Client Sample ID: PZ-14S
Date Collected: 04/02/21 10:19
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119482-3
Matrix: Water

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: Southern Company
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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: Southern Company
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

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
Job ID: 180-119482-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

TestAm
THE LEADER IN ENVIRO

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Labo

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 4.2.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	___1___ of __1__ CC
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: CCR - AP-1 Risk Assessment				Job / SDG No.:
Site: Georgia				
P O # 18019884				

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	Sample Specific
PZ-13S	4/2/2021	9:55	G	GW	1			X			pH= 5.03
PZ-14I	4/2/2021	10:11	G	GW	1			X	X		pH= 6.42
PZ-14S	4/2/2021	10:19	G	GW	1			X	X		pH= 5.38
PZ-25S	4/2/2021	10:15	G	GW	1			X			pH= 5.56
PZ-39S	4/2/2021	11:39	G	GW	1			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	
								4	4	4	

180-119482 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

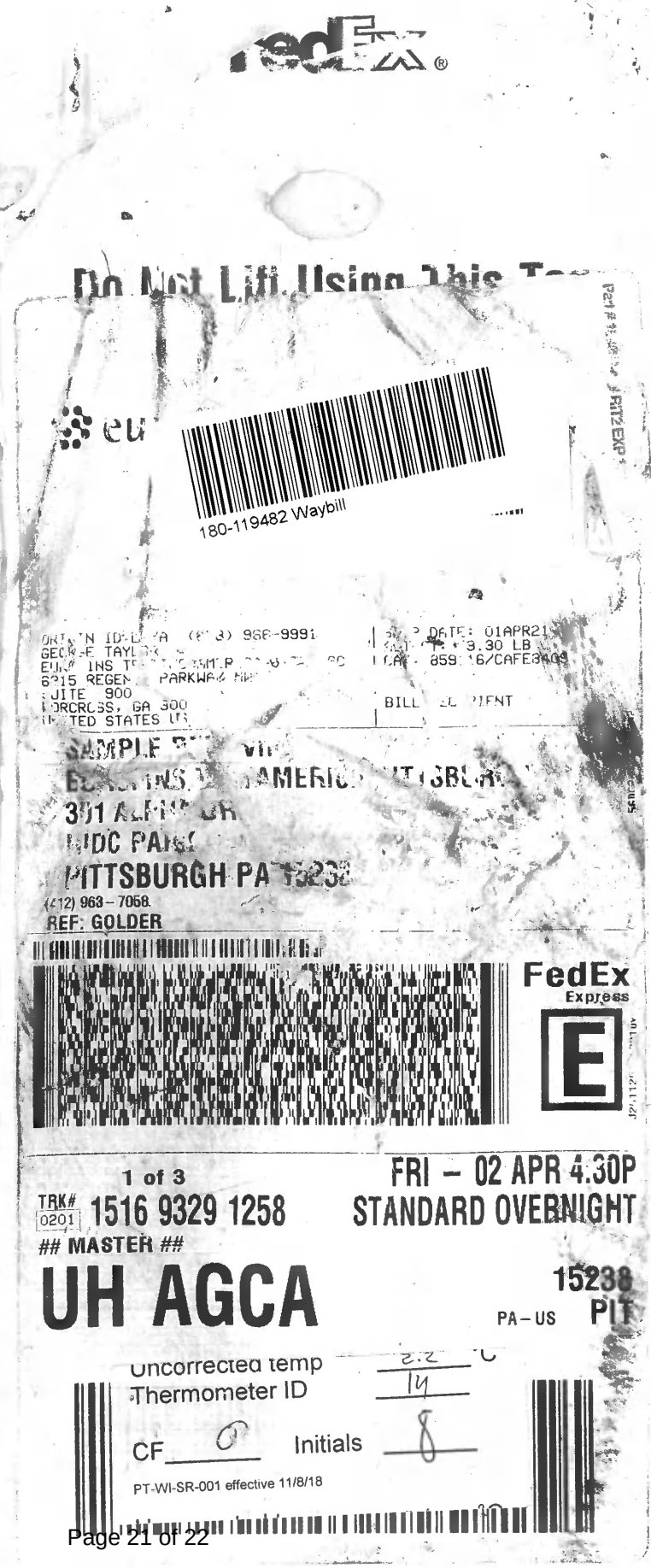
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Outdoor Ass	Date/Time: 4-2-21 1619	Received by:	Company: Pace	Date/Time: 4/2/21 1619
Relinquished by:	Company: Outdoor Ass	Date/Time: 4/2/21 1757	Received by: ETN	Company: Pace	Date/Time: ETN
Relinquished by: 4/2/21	Company: ETN	Date/Time: 1800	Received in Laboratory by:	Company: ETN	Date/Time: 4-3-21

Form No. CA-C-WI-002, Rev. 4.20, da

4/16/2021


Do Not Lift Using This
180-119482 Waybill
(412) 963-7058
REF: GOLDER
FedEx
Express
1 of 3
TRK# 0201 1516 9329 1258
FRI - 02 APR 4:30P
STANDARD OVERNIGHT
MASTER
UH AGCA
15238
PA-US
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 Number: 1
Creator: Watson, Debbie

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?	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	

eurofins | Environment Testing America

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-119609-1

Job ID: 180-119609-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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 3.4º 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.

Definitions/Glossary

Client: Southern Company
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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.
¤	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
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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	

Method Summary

Client: Southern Company
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

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
Job ID: 180-119609-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

TestAm
THE LEADER IN ENVIRO

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Labor

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 4.5.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 C
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: CCR - Plant Scherer - AP-1 Risk Assessment				Job / SDG No.:
Site: Georgia				
P O #				Sample Specific

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
								4	4	4

180-119609 Chain of Custody

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

pH= 5.96

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

	Custody Seal No.:			Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: Golder	Date/Time: 4-6-21 0800	Received by: Paul Cook	Company: Courier Now	Date/Time: 4/6/21	8:07
Relinquished by: EM	Company: Golder	Date/Time: 4/6/21	Received by:	Company: FTA	Date/Time: 4/6/21	10:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA PS	Date/Time: 4-7-21	930

Form No. CA-C-WI-002, Rev. 4.20, da

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119609-1

Login Number: 119609
List Number: 1
Creator: Abernathy, Eric

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	

eurofins | Environment Testing America

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-119800-1

Job ID: 180-119800-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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 3.1º C, 3.2º C and 3.5º 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.

Definitions/Glossary

Client: Southern Company
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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.
¤	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
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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.

Sample Summary

Client: Southern Company
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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	

Method Summary

Client: Southern Company
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

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
Lab Sample ID: 180-119800-2
Date Collected: 04/07/21 13:33
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 19:31	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: Southern Company
Job ID: 180-119800-1
Project/Site: Plant Scherer AP-1 Risk Assessment

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

Date Collected: 04/07/21 13:33
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119800-2

Matrix: Water

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

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	%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	%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	%Rec. Limits	RPD	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	

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 4.7.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __1__ COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below ___3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer - AP-1 Risk Assessment	☐ 1 week			Job / SDG No.:
Site: Georgia	☐ 2 days ☐ 1 day			
P O #				

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	Sample Specific Notes:
PZ-43S	4/7/2021	12:20	G	GW	1			X			pH= 6.28
PZ-44I	4/7/2021	13:33	G	GW	1				X		pH= 7.04
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	4	4	

180-119800 Chain of Custody

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	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Golder Ass	Date/Time: 4-8-21 1036	Received by:	Company: EHA	Date/Time: 4/8/21 10:36
Relinquished by:	Company: EHA	Date/Time: 4/8/21	Received by:	Company:	Date/Time: 4-9-21 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119800-1

Login Number: 119800
List Number: 1
Creator: Watson, Debbie

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?	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 B

Laboratory Analytical Data
August 2021

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-125972-1
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:
9/9/2021 7:45:39 PM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-125972-1

Job ID: 180-125972-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-125972-1

Comments
090921 Revised report to remove qualifier from Mercury on sample SGWC-12 (180-126090-14). This report replaces the report previously issued on 090821.

Receipt
The samples were received on 8/19/2021 9:15 AM, 8/20/2021 9:30 AM and 8/21/2021 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 13 coolers at receipt time were 2.1º C, 2.1º C, 3.2º C, 3.2º C, 3.4º C, 3.7º C, 3.7º C, 3.8º C, 3.8º C, 3.8º C, 4.2º C, 4.2º C and 5.8º 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.

The container label for one out of two of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWC-15 (180-126090-6). The container labels list a sample id of SGWC-14 while the COC lists SGWC-15. The id on the COC was used.

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

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

Job ID: 180-125972-1

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
Job ID: 180-125972-1
Project/Site: Plant Scherer Ash Pond

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

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

Sample Summary

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

Job ID: 180-125972-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125972-1	SGWA-1	Water	08/17/21 15:10	08/19/21 09:15
180-125972-2	SGWA-2	Water	08/17/21 16:10	08/19/21 09:15
180-125972-3	SGWA-4	Water	08/17/21 14:45	08/19/21 09:15
180-125972-4	SGWA-25	Water	08/17/21 16:13	08/19/21 09:15
180-126059-1	SGWA-3	Water	08/18/21 11:50	08/20/21 09:30
180-126059-2	SGWA-5	Water	08/18/21 10:55	08/20/21 09:30
180-126059-3	SGWC-6	Water	08/18/21 14:32	08/20/21 09:30
180-126059-4	SGWC-7	Water	08/18/21 16:00	08/20/21 09:30
180-126059-5	SGWC-8	Water	08/18/21 16:50	08/20/21 09:30
180-126059-6	SGWC-17	Water	08/18/21 16:45	08/20/21 09:30
180-126059-7	SGWC-18	Water	08/18/21 14:30	08/20/21 09:30
180-126059-8	SGWC-21	Water	08/18/21 15:30	08/20/21 09:30
180-126059-9	SGWC-22	Water	08/18/21 14:15	08/20/21 09:30
180-126059-10	SGWC-23	Water	08/18/21 11:30	08/20/21 09:30
180-126059-11	SGWA-24	Water	08/18/21 10:35	08/20/21 09:30
180-126059-12	EB-5	Water	08/18/21 14:30	08/20/21 09:30
180-126060-1	EB-6	Water	08/18/21 17:00	08/20/21 09:30
180-126060-2	DUP-5	Water	08/18/21 00:00	08/20/21 09:30
180-126060-3	FB-5	Water	08/18/21 11:15	08/20/21 09:30
180-126060-4	FB-6	Water	08/18/21 15:25	08/20/21 09:30
180-126090-1	SGWC-9	Water	08/19/21 10:22	08/21/21 09:30
180-126090-2	SGWC-10	Water	08/19/21 10:20	08/21/21 09:30
180-126090-3	SGWC-11	Water	08/19/21 12:02	08/21/21 09:30
180-126090-4	SGWC-13	Water	08/19/21 10:15	08/21/21 09:30
180-126090-5	SGWC-14	Water	08/19/21 11:25	08/21/21 09:30
180-126090-6	SGWC-15	Water	08/19/21 13:45	08/21/21 09:30
180-126090-7	SGWC-16	Water	08/19/21 10:10	08/21/21 09:30
180-126090-8	SGWC-19	Water	08/19/21 13:30	08/21/21 09:30
180-126090-9	SGWC-20	Water	08/19/21 11:55	08/21/21 09:30
180-126090-10	EB-7	Water	08/19/21 10:30	08/21/21 09:30
180-126090-11	DUP-7	Water	08/19/21 00:00	08/21/21 09:30
180-126090-12	FB-8	Water	08/19/21 12:32	08/21/21 09:30
180-126090-13	DUP-8	Water	08/19/21 00:00	08/21/21 09:30
180-126090-14	SGWC-12	Water	08/20/21 09:30	08/21/21 09:30

Method Summary

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

Job ID: 180-125972-1

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: 180-125972-1

Client Sample ID: SGWA-1

Lab Sample ID: 180-125972-1
Date Collected: 08/17/21 15:10
Matrix: Water
Date Received: 08/19/21 09:15

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			369870	09/01/21 16:51	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:41	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:57	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369539	08/17/21 15:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-2

Lab Sample ID: 180-125972-2
Date Collected: 08/17/21 16:10
Matrix: Water
Date Received: 08/19/21 09:15

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			369870	09/01/21 17:07	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:45	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:58	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369539	08/17/21 16:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-4

Lab Sample ID: 180-125972-3
Date Collected: 08/17/21 14:45
Matrix: Water
Date Received: 08/19/21 09:15

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			369870	09/01/21 15:32	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:49	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 14:59	KEM	TAL PIT
	Instrument ID: HGZ									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWA-4

Lab Sample ID: 180-125972-3
Date Collected: 08/17/21 14:45
Matrix: Water
Date Received: 08/19/21 09:15

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	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			369539	08/17/21 14:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-25

Lab Sample ID: 180-125972-4
Date Collected: 08/17/21 16:13
Matrix: Water
Date Received: 08/19/21 09:15

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			369870	09/01/21 17:23	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:52	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	368875	08/23/21 12:47	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369203	08/25/21 15:00	KEM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369539	08/17/21 16:13	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-3

Lab Sample ID: 180-126059-1
Date Collected: 08/18/21 11:50
Matrix: Water
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370035	09/02/21 09:48	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 10:30	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 11:56	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:30	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 11:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWA-5

Date Collected: 08/18/21 10:55
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-2

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			370035	09/02/21 10:36	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 11:18	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:10	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:31	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 10:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-6

Date Collected: 08/18/21 14:32
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-3

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			370035	09/02/21 10:51	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 11:35	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:13	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:32	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 14:32	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-7

Date Collected: 08/18/21 16:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-4

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			370035	09/02/21 11:07	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 11:51	SAB	TAL PIT
	Instrument ID: CHIC2100A									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-7

Lab Sample ID: 180-126059-4
Date Collected: 08/18/21 16:00
Matrix: Water
Date Received: 08/20/21 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	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:16	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:33	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 16:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-8

Lab Sample ID: 180-126059-5
Date Collected: 08/18/21 16:50
Matrix: Water
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370035	09/02/21 11:23	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 12:07	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:18	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:34	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 16:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-17

Lab Sample ID: 180-126059-6
Date Collected: 08/18/21 16:45
Matrix: Water
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370188	09/03/21 12:55	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		5			370188	09/03/21 15:18	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:27	RJR	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-17

Lab Sample ID: 180-126059-6

Date Collected: 08/18/21 16:45

Matrix: Water

Date Received: 08/20/21 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	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:35	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 16:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-18

Lab Sample ID: 180-126059-7

Date Collected: 08/18/21 14:30

Matrix: Water

Date Received: 08/20/21 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	EPA 300.0 R2.1		10			370035	09/02/21 12:59	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 13:11	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:30	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:36	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 14:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-21

Lab Sample ID: 180-126059-8

Date Collected: 08/18/21 15:30

Matrix: Water

Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370035	09/02/21 13:14	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 13:26	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:38	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:39	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-21

Date Collected: 08/18/21 15:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-8

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	Field Sampling		1			369647	08/18/21 15:30	FDS	TAL PIT

Client Sample ID: SGWC-22

Date Collected: 08/18/21 14:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-9

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		1			370035	09/02/21 13:30	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 13:42	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:41	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:40	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 14:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-23

Date Collected: 08/18/21 11:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-10

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		1			370035	09/02/21 13:46	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 13:58	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:44	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:41	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 11:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-24

Lab Sample ID: 180-126059-11

Date Collected: 08/18/21 10:35

Matrix: Water

Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370035	09/02/21 14:02	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 14:14	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:47	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:42	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 10:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-5

Lab Sample ID: 180-126059-12

Date Collected: 08/18/21 14:30

Matrix: Water

Date Received: 08/20/21 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	EPA 300.0 R2.1		1			370035	09/02/21 14:50	J1T	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		1			370188	09/03/21 15:02	SAB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:50	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:43	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-6

Lab Sample ID: 180-126060-1

Date Collected: 08/18/21 17:00

Matrix: Water

Date Received: 08/20/21 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	EPA 300.0 R2.1		1			369894	09/01/21 19:06	J1T	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:52	RJR	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: EB-6

Lab Sample ID: 180-126060-1

Date Collected: 08/18/21 17:00
Matrix: Water
Date Received: 08/20/21 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	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:44	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-5

Lab Sample ID: 180-126060-2

Date Collected: 08/18/21 00:00
Matrix: Water
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			369894	09/01/21 21:29	J1T	TAL PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 300.0 R2.1		10			369894	09/01/21 21:47	J1T	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 12:55	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:45	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-5

Lab Sample ID: 180-126060-3

Date Collected: 08/18/21 11:15
Matrix: Water
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			369894	09/01/21 19:24	J1T	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 13:14	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:46	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: FB-6

Lab Sample ID: 180-126060-4
Matrix: Water
Date Collected: 08/18/21 15:25
Date Received: 08/20/21 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	EPA 300.0 R2.1		1			369894	09/01/21 19:42	J1T	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	369118	08/25/21 08:46	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369368	08/26/21 13:16	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369480	08/27/21 13:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			369675	08/30/21 16:48	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-9

Lab Sample ID: 180-126090-1
Matrix: Water
Date Collected: 08/19/21 10:22
Date Received: 08/21/21 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	EPA 300.0 R2.1		1			370036	09/03/21 04:59	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 02:40	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:09	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:46	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 10:22	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-10

Lab Sample ID: 180-126090-2
Matrix: Water
Date Collected: 08/19/21 10:20
Date Received: 08/21/21 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	EPA 300.0 R2.1		1			370036	09/03/21 05:16	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 02:56	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:11	RJR	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-10

Date Collected: 08/19/21 10:20
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-2

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	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:47	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 10:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-11

Date Collected: 08/19/21 12:02
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-3

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			370036	09/03/21 06:05	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 04:01	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:14	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:48	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 12:02	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-13

Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4

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			370036	09/03/21 06:21	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 04:18	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:17	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:49	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-13

Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4

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	Field Sampling		1			369649	08/19/21 10:15	FDS	TAL PIT

Client Sample ID: SGWC-14

Date Collected: 08/19/21 11:25
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-5

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			370036	09/03/21 06:37	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 04:34	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:20	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:53	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369160	08/25/21 11:13	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 11:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-15

Date Collected: 08/19/21 13:45
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-6

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			370036	09/03/21 06:54	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 04:50	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:23	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:54	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 13:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-16

Date Collected: 08/19/21 10:10
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-7

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			370036	09/03/21 07:10	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 05:07	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:26	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:55	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 10:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-19

Date Collected: 08/19/21 13:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-8

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		1			370036	09/03/21 07:59	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/04/21 05:56	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		5			370252	09/04/21 06:12	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:28	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369880	09/01/21 09:36	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 13:56	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 13:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-20

Date Collected: 08/19/21 11:55
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-9

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		1			370036	09/03/21 08:32	J1T	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-20

Date Collected: 08/19/21 11:55
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-9

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		1			370252	09/04/21 07:34	SAB	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1		5			370252	09/04/21 07:50	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:37	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369881	09/01/21 09:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 14:08	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 11:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-7

Date Collected: 08/19/21 10:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-10

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		1			370036	09/03/21 09:37	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:40	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369881	09/01/21 09:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 14:09	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-7

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-11

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		1			370036	09/03/21 09:54	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:43	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369881	09/01/21 09:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 14:10	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:51	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: FB-8

Date Collected: 08/19/21 12:32
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-12

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			370036	09/03/21 09:21	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:46	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369881	09/01/21 09:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 14:11	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-8

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-13

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			370036	09/03/21 10:10	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		5			370252	09/04/21 06:28	SAB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:48	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369881	09/01/21 09:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370276	09/03/21 14:13	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-12

Date Collected: 08/20/21 09:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-14

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			370036	09/03/21 10:26	J1T	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 11:51	RJR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	369922	09/01/21 12:39	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			370104	09/02/21 13:23	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369205	08/25/21 16:50	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-1

Client Sample ID: SGWC-12

Date Collected: 08/20/21 09:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-14

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	Field Sampling		1			369649	08/20/21 09:30	FDS	TAL PIT

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

AMD = Alysha Donlan
MM1 = Mary Beth Miller
TLP = Tara Peterson

Batch Type: Analysis

FDS = Sampler Field
J1T = Jianwu Tang
KEM = Kimberly Mahoney
KMM = Kendric Moore
RJR = Ron Rosenbaum
RSK = Robert Kurtz
SAB = Sharon Bacha

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-1

Date Collected: 08/17/21 15:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.9**		1.0	0.71	mg/L			09/01/21 16:51	1
Fluoride	**0.052**	**J**	0.10	0.026	mg/L			09/01/21 16:51	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 16:51	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		08/20/21 12:11	08/24/21 20:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:41	1
Barium	**0.047**		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:41	1
Beryllium	**0.00029**	**J**	0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:41	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:41	1
Calcium	**1.8**		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:41	1
Cobalt	**0.00072**	**J**	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:41	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/20/21 12:11	08/24/21 20:41	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/20/21 12:11	08/24/21 20:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:41	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		08/23/21 12:47	08/25/21 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**27**		10	10	mg/L			08/22/21 17:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.26**				SU			08/17/21 15:10	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-2

Date Collected: 08/17/21 16:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-2

Matrix: Water

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			09/01/21 17:07	1
Fluoride	**0.096**	**J**	0.10	0.026	mg/L			09/01/21 17:07	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 17:07	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		08/20/21 12:11	08/24/21 20:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:45	1
Barium	**0.038**		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:45	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:45	1
Calcium	**12**		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:45	1
Chromium	**0.013**		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:45	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:45	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/20/21 12:11	08/24/21 20:45	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/20/21 12:11	08/24/21 20:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:45	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		08/23/21 12:47	08/25/21 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**110**		10	10	mg/L			08/22/21 17:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.84**				SU			08/17/21 16:10	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-4

Date Collected: 08/17/21 14:45
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-3

Matrix: Water

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			09/01/21 15:32	1
Fluoride	**0.093**	**J**	0.10	0.026	mg/L			09/01/21 15:32	1
Sulfate	**1.1**		1.0	0.76	mg/L			09/01/21 15:32	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		08/20/21 12:11	08/24/21 20:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:49	1
Barium	**0.066**		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:49	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:49	1
Calcium	**18**		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:49	1
Chromium	**0.0053**		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:49	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/20/21 12:11	08/24/21 20:49	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/20/21 12:11	08/24/21 20:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:49	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		08/23/21 12:47	08/25/21 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			08/22/21 17:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.41**				SU			08/17/21 14:45	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-25

Date Collected: 08/17/21 16:13
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.6**		1.0	0.71	mg/L			09/01/21 17:23	1
Fluoride	**0.079**	**J**	0.10	0.026	mg/L			09/01/21 17:23	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 17:23	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		08/20/21 12:11	08/24/21 20:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:52	1
Barium	**0.027**		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:52	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:52	1
Calcium	**9.6**		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:52	1
Chromium	**0.0047**		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:52	1
Cobalt	**0.0011**	**J**	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:52	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/20/21 12:11	08/24/21 20:52	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/20/21 12:11	08/24/21 20:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:52	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		08/23/21 12:47	08/25/21 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**97**		10	10	mg/L			08/22/21 17:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.08**				SU			08/17/21 16:13	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-3

Date Collected: 08/18/21 11:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-1

Matrix: Water

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			09/03/21 10:30	1
Fluoride	**0.066**	**J**	0.10	0.026	mg/L			09/03/21 10:30	1
Sulfate	**0.90**	**J**	1.0	0.76	mg/L			09/02/21 09:48	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		08/25/21 08:46	08/26/21 11:56	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 11:56	1
Barium	**0.036**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 11:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 11:56	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 11:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 11:56	1
Calcium	**5.9**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 11:56	1
Chromium	**0.020**		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 11:56	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 11:56	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 11:56	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 11:56	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 11:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 11:56	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 11:56	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		08/27/21 13:00	08/30/21 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**66**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.85**				SU			08/18/21 11:50	1

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

Job ID: 180-125972-1

Client Sample ID: SGWA-5

Date Collected: 08/18/21 10:55
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.2**		1.0	0.71	mg/L			09/03/21 11:18	1
Fluoride	**0.070**	**J**	0.10	0.026	mg/L			09/03/21 11:18	1
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 10:36	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		08/25/21 08:46	08/26/21 12:10	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:10	1
Barium	**0.011**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:10	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:10	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:10	1
Calcium	**1.7**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:10	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:10	1
Lead	**0.00030**	**J**	0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:10	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:10	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:10	1
Thallium	**0.00030**	**J**	0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:10	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		08/27/21 13:00	08/30/21 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**53**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.51**				SU			08/18/21 10:55	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-6

Date Collected: 08/18/21 14:32
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-3

Matrix: Water

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			09/03/21 11:35	1
Fluoride	**0.19**		0.10	0.026	mg/L			09/03/21 11:35	1
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 10:51	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		08/25/21 08:46	08/26/21 12:13	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:13	1
Barium	**0.13**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:13	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:13	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:13	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:13	1
Calcium	**11**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:13	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:13	1
Cobalt	**0.00024**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:13	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:13	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:13	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:13	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:13	1
Thallium	**0.00017**	**J**	0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:13	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		08/27/21 13:00	08/30/21 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**140**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.33**				SU			08/18/21 14:32	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-7

Date Collected: 08/18/21 16:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		1.0	0.71	mg/L			09/03/21 11:51	1
Fluoride	**0.31**		0.10	0.026	mg/L			09/03/21 11:51	1
Sulfate	**12**		1.0	0.76	mg/L			09/02/21 11:07	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		08/25/21 08:46	08/26/21 12:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:16	1
Barium	**0.24**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:16	1
Boron	**0.047**	**J**	0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:16	1
Calcium	**22**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:16	1
Chromium	**0.0026**		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:16	1
Cobalt	**0.0021**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:16	1
Lithium	**0.0034**	**J**	0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:16	1
Molybdenum	**0.0016**	**J**	0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:16	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		08/27/21 13:00	08/30/21 16:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**210**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.61**				SU			08/18/21 16:00	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-8

Date Collected: 08/18/21 16:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		1.0	0.71	mg/L			09/03/21 12:07	1
Fluoride	**0.48**		0.10	0.026	mg/L			09/03/21 12:07	1
Sulfate	**78**		1.0	0.76	mg/L			09/02/21 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		08/25/21 08:46	08/26/21 12:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:18	1
Barium	**0.16**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:18	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:18	1
Boron	**0.14**		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:18	1
Calcium	**49**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:18	1
Cobalt	**0.00021**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:18	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:18	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:18	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		08/27/21 13:00	08/30/21 16:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**410**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.48**				SU			08/18/21 16:50	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-17

Date Collected: 08/18/21 16:45
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.9**		1.0	0.71	mg/L			09/03/21 12:55	1
Fluoride	**0.087**	**J**	0.10	0.026	mg/L			09/03/21 12:55	1
Sulfate	**200**		5.0	3.8	mg/L			09/03/21 15:18	5

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		08/25/21 08:46	08/26/21 12:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:27	1
Barium	**0.024**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:27	1
Boron	**0.32**		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:27	1
Calcium	**55**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:27	1
Chromium	**0.012**		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:27	1
Cobalt	**0.00043**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:27	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:27	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:27	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00017**	**J**	0.00020	0.00013	mg/L		08/27/21 13:00	08/30/21 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**450**		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.26**				SU			08/18/21 16:45	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-18

Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15		1.0	0.71	mg/L			09/03/21 13:11	1
Fluoride	0.099	J	0.10	0.026	mg/L			09/03/21 13:11	1
Sulfate	940		10	7.6	mg/L			09/02/21 12:59	10

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		08/25/21 08:46	08/26/21 12:30	1
Arsenic	0.0028		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:30	1
Barium	0.022		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:30	1
Beryllium	0.00035	J	0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:30	1
Boron	6.6		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:30	1
Calcium	55		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:30	1
Chromium	0.019		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:30	1
Cobalt	0.095		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:30	1
Lead	0.00071	J	0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:30	1
Lithium	0.0047	J	0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:30	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:30	1
Selenium	0.0020	J	0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:30	1
Thallium	0.00022	J	0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:30	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		08/27/21 13:00	08/30/21 16:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10	10	mg/L			08/25/21 10:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.83				SU			08/18/21 14:30	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-21

Date Collected: 08/18/21 15:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-8

Matrix: Water

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			09/03/21 13:26	1
Fluoride	**0.12**		0.10	0.026	mg/L			09/03/21 13:26	1
Sulfate	**130**		1.0	0.76	mg/L			09/02/21 13:14	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		08/25/21 08:46	08/26/21 12:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:38	1
Barium	**0.12**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:38	1
Boron	**1.1**		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:38	1
Calcium	**39**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:38	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:38	1
Cobalt	**0.00016**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:38	1
Lead	**0.00041**	**J**	0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:38	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:38	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 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		08/27/21 13:00	08/30/21 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**380**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.26**				SU			08/18/21 15:30	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-22

Date Collected: 08/18/21 14:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-9

Matrix: Water

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			09/03/21 13:42	1
Fluoride	**0.054**	**J**	0.10	0.026	mg/L			09/03/21 13:42	1
Sulfate	**110**		1.0	0.76	mg/L			09/02/21 13:30	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		08/25/21 08:46	08/26/21 12:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:41	1
Barium	**0.074**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:41	1
Boron	**0.44**		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:41	1
Calcium	**30**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:41	1
Cobalt	**0.0010**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:41	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:41	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:41	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		08/27/21 13:00	08/30/21 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**260**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.76**				SU			08/18/21 14:15	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-23

Date Collected: 08/18/21 11:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-10

Matrix: Water

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			09/03/21 13:58	1
Fluoride	**0.11**		0.10	0.026	mg/L			09/03/21 13:58	1
Sulfate	**66**		1.0	0.76	mg/L			09/02/21 13:46	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		08/25/21 08:46	08/26/21 12:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:44	1
Barium	**0.056**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:44	1
Boron	**0.42**		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:44	1
Calcium	**21**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:44	1
Chromium	**0.0019**	**J**	0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:44	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:44	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:44	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		08/27/21 13:00	08/30/21 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**210**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.01**				SU			08/18/21 11:30	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWA-24

Date Collected: 08/18/21 10:35
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.7**		1.0	0.71	mg/L			09/03/21 14:14	1
Fluoride	**0.16**		0.10	0.026	mg/L			09/03/21 14:14	1
Sulfate	**1.0**		1.0	0.76	mg/L			09/02/21 14:02	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		08/25/21 08:46	08/26/21 12:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:47	1
Barium	**0.025**		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:47	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:47	1
Calcium	**14**		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:47	1
Chromium	**0.0056**		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:47	1
Cobalt	**0.00057**	**J**	0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:47	1
Lead	**0.00023**	**J**	0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:47	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:47	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:47	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		08/27/21 13:00	08/30/21 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**120**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.45**				SU			08/18/21 10:35	1

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

Job ID: 180-125972-1

Client Sample ID: EB-5

Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-12

Matrix: Water

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			09/03/21 15:02	1
Fluoride	**0.060**	**J**	0.10	0.026	mg/L			09/03/21 15:02	1
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 14:50	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		08/25/21 08:46	08/26/21 12:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:50	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:50	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:50	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:50	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:50	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:50	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		08/27/21 13:00	08/30/21 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 11:13	1

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

Job ID: 180-125972-1

Client Sample ID: EB-6

Date Collected: 08/18/21 17:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-1

Matrix: Water

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			09/01/21 19:06	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 19:06	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 19:06	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		08/25/21 08:46	08/26/21 12:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:52	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:52	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:52	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:52	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:52	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:52	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:52	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		08/27/21 13:00	08/30/21 16:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 11:13	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: DUP-5

Date Collected: 08/18/21 00:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14		1.0	0.71	mg/L			09/01/21 21:29	1
Fluoride	0.087	J	0.10	0.026	mg/L			09/01/21 21:29	1
Sulfate	960		10	7.6	mg/L			09/01/21 21:47	10

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		08/25/21 08:46	08/26/21 12:55	1
Arsenic	0.0029		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 12:55	1
Barium	0.013		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 12:55	1
Beryllium	0.00020	J	0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 12:55	1
Boron	7.0		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 12:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 12:55	1
Calcium	56		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 12:55	1
Chromium	0.0093		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 12:55	1
Cobalt	0.093		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 12:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 12:55	1
Lithium	0.0034	J	0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 12:55	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 12:55	1
Selenium	0.0022	J	0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 12:55	1
Thallium	0.00018	J	0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 12:55	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00024		0.00020	0.00013	mg/L		08/27/21 13:00	08/30/21 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10	10	mg/L			08/25/21 11:13	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: FB-5

Date Collected: 08/18/21 11:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-3

Matrix: Water

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			09/01/21 19:24	1
Fluoride	**0.043**	**J**	0.10	0.026	mg/L			09/01/21 19:24	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 19:24	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		08/25/21 08:46	08/26/21 13:14	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 13:14	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 13:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 13:14	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 13:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 13:14	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 13:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 13:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 13:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 13:14	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 13:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 13:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 13:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 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		08/27/21 13:00	08/30/21 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 11:13	1

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

Job ID: 180-125972-1

Client Sample ID: FB-6

Date Collected: 08/18/21 15:25
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-4

Matrix: Water

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			09/01/21 19:42	1
Fluoride	**0.11**		0.10	0.026	mg/L			09/01/21 19:42	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 19:42	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		08/25/21 08:46	08/26/21 13:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/26/21 13:16	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/26/21 13:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/26/21 13:16	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/26/21 13:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/26/21 13:16	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/26/21 13:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/26/21 13:16	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/26/21 13:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/26/21 13:16	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/26/21 13:16	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/26/21 13:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/26/21 13:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/26/21 13:16	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		08/27/21 13:00	08/30/21 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 11:13	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-9

Date Collected: 08/19/21 10:22
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		1.0	0.71	mg/L			09/03/21 04:59	1
Fluoride	**0.078**	**J**	0.10	0.026	mg/L			09/04/21 02:40	1
Sulfate	**160**		1.0	0.76	mg/L			09/04/21 02:40	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		08/26/21 12:39	08/27/21 11:09	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:09	1
Barium	**0.043**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:09	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:09	1
Boron	**1.5**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:09	1
Calcium	**34**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:09	1
Cobalt	**0.00072**	**J**	0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:09	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:09	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:09	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:09	1
Thallium	**0.00040**	**J**	0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:09	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		09/01/21 09:36	09/03/21 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**380**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.22**				SU			08/19/21 10:22	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-10

Date Collected: 08/19/21 10:20
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.3**		1.0	0.71	mg/L			09/03/21 05:16	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 02:56	1
Sulfate	**2.2**		1.0	0.76	mg/L			09/04/21 02:56	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		08/26/21 12:39	08/27/21 11:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:11	1
Barium	**0.025**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:11	1
Boron	**0.091**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:11	1
Calcium	**0.67**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:11	1
Cobalt	**0.022**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:11	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:11	1
Thallium	**0.00024**	**J**	0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:11	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		09/01/21 09:36	09/03/21 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**54**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.21**				SU			08/19/21 10:20	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-11

Date Collected: 08/19/21 12:02
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-3

Matrix: Water

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			09/03/21 06:05	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 04:01	1
Sulfate	<0.76		1.0	0.76	mg/L			09/04/21 04:01	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		08/26/21 12:39	08/27/21 11:14	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:14	1
Barium	**0.045**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:14	1
Boron	**0.54**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:14	1
Cadmium	**0.00022**	**J**	0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:14	1
Calcium	**1.9**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:14	1
Cobalt	**0.014**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:14	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:14	1
Thallium	**0.00015**	**J**	0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:14	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		09/01/21 09:36	09/03/21 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**36**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.23**				SU			08/19/21 12:02	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-13

Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4

Matrix: Water

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			09/03/21 06:21	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 04:18	1
Sulfate	**82**		1.0	0.76	mg/L			09/04/21 04:18	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		08/26/21 12:39	08/27/21 11:17	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:17	1
Barium	**0.036**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:17	1
Boron	**0.59**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:17	1
Calcium	**20**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:17	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:17	1
Cobalt	**0.0021**	**J**	0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:17	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:17	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:17	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:17	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		09/01/21 09:36	09/03/21 13:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**210**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.99**				SU			08/19/21 10:15	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-14

Date Collected: 08/19/21 11:25
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-5

Matrix: Water

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			09/03/21 06:37	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 04:34	1
Sulfate	**190**		1.0	0.76	mg/L			09/04/21 04:34	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		08/26/21 12:39	08/27/21 11:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:20	1
Barium	**0.042**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:20	1
Boron	**1.7**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:20	1
Calcium	**40**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:20	1
Cobalt	**0.0047**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:20	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:20	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		09/01/21 09:36	09/03/21 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**370**		10	10	mg/L			08/25/21 11:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.86**				SU			08/19/21 11:25	1

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

Job ID: 180-125972-1

Client Sample ID: SGWC-15

Date Collected: 08/19/21 13:45
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-6

Matrix: Water

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			09/03/21 06:54	1
Fluoride	**0.12**		0.10	0.026	mg/L			09/04/21 04:50	1
Sulfate	**200**		1.0	0.76	mg/L			09/04/21 04:50	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		08/26/21 12:39	08/27/21 11:23	1
Arsenic	**0.0014**		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:23	1
Barium	**0.027**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:23	1
Beryllium	**0.00033**	**J**	0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:23	1
Boron	**1.6**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:23	1
Cadmium	**0.00026**	**J**	0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:23	1
Calcium	**17**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:23	1
Chromium	**0.032**		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:23	1
Cobalt	**0.27**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:23	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:23	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 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		09/01/21 09:36	09/03/21 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**320**		10	10	mg/L			08/25/21 16:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.63**				SU			08/19/21 13:45	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-16

Date Collected: 08/19/21 10:10
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.5**		1.0	0.71	mg/L			09/03/21 07:10	1
Fluoride	**0.038**	**J**	0.10	0.026	mg/L			09/04/21 05:07	1
Sulfate	**38**		1.0	0.76	mg/L			09/04/21 05:07	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		08/26/21 12:39	08/27/21 11:26	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:26	1
Barium	**0.029**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:26	1
Boron	**0.72**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:26	1
Calcium	**1.1**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:26	1
Chromium	**0.011**		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:26	1
Cobalt	**0.0051**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:26	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:26	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:26	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:26	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:26	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		09/01/21 09:36	09/03/21 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**100**		10	10	mg/L			08/25/21 16:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.28**				SU			08/19/21 10:10	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-19

Date Collected: 08/19/21 13:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.4**		1.0	0.71	mg/L			09/03/21 07:59	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 05:56	1
Sulfate	**280**		5.0	3.8	mg/L			09/04/21 06:12	5

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		08/26/21 12:39	08/27/21 11:28	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:28	1
Barium	**0.027**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:28	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:28	1
Boron	**2.1**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:28	1
Calcium	**45**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:28	1
Chromium	**0.014**		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:28	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:28	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:28	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:28	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:28	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		09/01/21 09:36	09/03/21 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**440**		10	10	mg/L			08/25/21 16:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.61**				SU			08/19/21 13:30	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-20

Date Collected: 08/19/21 11:55
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-9

Matrix: Water

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			09/03/21 08:32	1
Fluoride	**0.17**		0.10	0.026	mg/L			09/04/21 07:34	1
Sulfate	**230**		5.0	3.8	mg/L			09/04/21 07:50	5

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		08/26/21 12:39	08/27/21 11:37	1
Arsenic	**0.00066**	**J**	0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:37	1
Barium	**0.020**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:37	1
Beryllium	**0.00091**	**J**	0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:37	1
Boron	**1.9**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:37	1
Calcium	**12**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:37	1
Cobalt	**0.20**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:37	1
Lead	**0.00034**	**J**	0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:37	1
Lithium	**0.0046**	**J**	0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:37	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:37	1
Thallium	**0.00018**	**J**	0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:37	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		09/01/21 09:39	09/03/21 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**340**		10	10	mg/L			08/25/21 16:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.28**				SU			08/19/21 11:55	1

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

Job ID: 180-125972-1

Client Sample ID: EB-7

Date Collected: 08/19/21 10:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-10

Matrix: Water

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			09/03/21 09:37	1
Fluoride	**0.065**	**J**	0.10	0.026	mg/L			09/03/21 09:37	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 09:37	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		08/26/21 12:39	08/27/21 11:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:40	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:40	1
Boron	**0.044**	**J**	0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:40	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:40	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:40	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		09/01/21 09:39	09/03/21 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 16:50	1

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

Job ID: 180-125972-1

Client Sample ID: DUP-7

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-11

Matrix: Water

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			09/03/21 09:54	1
Fluoride	**0.046**	**J**	0.10	0.026	mg/L			09/03/21 09:54	1
Sulfate	**5.9**		1.0	0.76	mg/L			09/03/21 09:54	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		08/26/21 12:39	08/27/21 11:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:43	1
Barium	**0.029**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:43	1
Boron	**0.11**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:43	1
Calcium	**1.1**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:43	1
Cobalt	**0.023**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:43	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:43	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		09/01/21 09:39	09/03/21 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**44**		10	10	mg/L			08/25/21 16:51	1

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

Job ID: 180-125972-1

Client Sample ID: FB-8

Date Collected: 08/19/21 12:32
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-12

Matrix: Water

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			09/03/21 09:21	1
Fluoride	**0.049**	**J**	0.10	0.026	mg/L			09/03/21 09:21	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 09:21	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		08/26/21 12:39	08/27/21 11:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:46	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:46	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:46	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:46	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:46	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:46	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		09/01/21 09:39	09/03/21 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 16:50	1

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

Job ID: 180-125972-1

Client Sample ID: DUP-8

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-13

Matrix: Water

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			09/03/21 10:10	1
Fluoride	**0.046**	**J**	0.10	0.026	mg/L			09/03/21 10:10	1
Sulfate	**180**		5.0	3.8	mg/L			09/04/21 06:28	5

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		08/26/21 12:39	08/27/21 11:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:48	1
Barium	**0.041**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:48	1
Boron	**1.7**		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:48	1
Calcium	**40**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:48	1
Cobalt	**0.0070**		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:48	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:48	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		09/01/21 09:39	09/03/21 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**350**		10	10	mg/L			08/25/21 16:50	1

Client Sample Results

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

Job ID: 180-125972-1

Client Sample ID: SGWC-12

Date Collected: 08/20/21 09:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-14

Matrix: Water

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			09/03/21 10:26	1
Fluoride	**0.082**	**J**	0.10	0.026	mg/L			09/03/21 10:26	1
Sulfate	**60**		1.0	0.76	mg/L			09/03/21 10:26	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		08/26/21 12:39	08/27/21 11:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 11:51	1
Barium	**0.057**		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 11:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 11:51	1
Boron	**0.043**	**J**	0.080	0.039	mg/L		08/26/21 12:39	08/27/21 11:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 11:51	1
Calcium	**23**		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 11:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 11:51	1
Cobalt	**0.0019**	**J**	0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 11:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 11:51	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 11:51	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 11:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 11:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 11:51	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		09/01/21 12:39	09/02/21 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**220**		10	10	mg/L			08/25/21 16:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.13**				SU			08/20/21 09:30	1

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

Lab Sample ID: MB 180-369870/7
Matrix: Water
Analysis Batch: 369870

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			09/01/21 09:24	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 09:24	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 09:24	1

Lab Sample ID: LCS 180-369870/6
Matrix: Water
Analysis Batch: 369870

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	49.6		mg/L		99	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: 180-125972-3 MS
Matrix: Water
Analysis Batch: 369870

Client Sample ID: SGWA-4
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	53.4		mg/L		104	90 - 110
Fluoride	0.093	J	2.50	2.83		mg/L		109	90 - 110
Sulfate	1.1		50.0	51.6		mg/L		101	90 - 110

Lab Sample ID: 180-125972-3 MSD
Matrix: Water
Analysis Batch: 369870

Client Sample ID: SGWA-4
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	53.2		mg/L		103	90 - 110	0	20
Fluoride	0.093	J	2.50	2.80		mg/L		108	90 - 110	1	20
Sulfate	1.1		50.0	51.8		mg/L		101	90 - 110	0	20

Lab Sample ID: MB 180-369894/6
Matrix: Water
Analysis Batch: 369894

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			09/01/21 11:57	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 11:57	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 11:57	1

Lab Sample ID: LCS 180-369894/5
Matrix: Water
Analysis Batch: 369894

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	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	49.0		mg/L		98	90 - 110

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

Lab Sample ID: 180-126437-C-1 MS
Matrix: Water
Analysis Batch: 369894

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	16		50.0	67.0		mg/L		102	90 - 110
Fluoride	0.11		2.50	2.86		mg/L		110	90 - 110
Sulfate	50		50.0	100		mg/L		101	90 - 110

Lab Sample ID: 180-126437-C-1 MSD
Matrix: Water
Analysis Batch: 369894

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	16		50.0	64.7		mg/L		98	90 - 110	3	20
Fluoride	0.11		2.50	2.70		mg/L		103	90 - 110	6	20
Sulfate	50		50.0	96.3		mg/L		93	90 - 110	4	20

Lab Sample ID: MB 180-370035/7
Matrix: Water
Analysis Batch: 370035

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			09/02/21 09:32	1

Lab Sample ID: LCS 180-370035/6
Matrix: Water
Analysis Batch: 370035

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	49.7		mg/L		99	90 - 110

Lab Sample ID: 180-126059-1 MS
Matrix: Water
Analysis Batch: 370035

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
Sulfate	0.90	J	50.0	49.4		mg/L		97	90 - 110

Lab Sample ID: 180-126059-1 MSD
Matrix: Water
Analysis Batch: 370035

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
Sulfate	0.90	J	50.0	50.9		mg/L		100	90 - 110	3	20

Lab Sample ID: 180-126059-11 MS
Matrix: Water
Analysis Batch: 370035

Client Sample ID: SGWA-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.0		50.0	51.0		mg/L		100	90 - 110

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

Lab Sample ID: 180-126059-11 MSD — **Client Sample ID: SGWA-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370035

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.0		50.0	46.9		mg/L		92	90 - 110	8	20

Lab Sample ID: MB 180-370036/64 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/03/21 03:05	1

Lab Sample ID: LCS 180-370036/63 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	54.3		mg/L		109	90 - 110

Lab Sample ID: 180-126090-7 MS — **Client Sample ID: SGWC-16**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.5		50.0	60.9		mg/L		103	90 - 110

Lab Sample ID: 180-126090-7 MSD — **Client Sample ID: SGWC-16**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.5		50.0	62.2		mg/L		105	90 - 110	2	20

Lab Sample ID: 180-126093-A-11 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.0	F1	50.0	52.7		mg/L		93	90 - 110

Lab Sample ID: 180-126093-A-11 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.0	F1	50.0	62.2	F1	mg/L		112	90 - 110	16	20

Lab Sample ID: MB 180-370188/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/03/21 10:14	1

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

Lab Sample ID: MB 180-370188/7
Matrix: Water
Analysis Batch: 370188

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			09/03/21 10:14	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 10:14	1

Lab Sample ID: LCS 180-370188/6
Matrix: Water
Analysis Batch: 370188

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	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

Lab Sample ID: 180-126059-1 MS
Matrix: Water
Analysis Batch: 370188

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
Chloride	2.4		50.0	54.1		mg/L		103	90 - 110
Fluoride	0.066	J	2.50	2.82		mg/L		110	90 - 110

Lab Sample ID: 180-126059-1 MSD
Matrix: Water
Analysis Batch: 370188

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
Chloride	2.4		50.0	52.8		mg/L		101	90 - 110	2	20
Fluoride	0.066	J	2.50	2.69		mg/L		105	90 - 110	5	20

Lab Sample ID: 180-126059-11 MS
Matrix: Water
Analysis Batch: 370188

Client Sample ID: SGWA-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.7		50.0	51.9		mg/L		98	90 - 110
Fluoride	0.16		2.50	2.71		mg/L		102	90 - 110

Lab Sample ID: 180-126059-11 MSD
Matrix: Water
Analysis Batch: 370188

Client Sample ID: SGWA-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.7		50.0	51.9		mg/L		98	90 - 110	0	20
Fluoride	0.16		2.50	2.66		mg/L		100	90 - 110	2	20

Lab Sample ID: MB 180-370252/42
Matrix: Water
Analysis Batch: 370252

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			09/04/21 00:45	1

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

Lab Sample ID: MB 180-370252/42
Matrix: Water
Analysis Batch: 370252

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			09/04/21 00:45	1
Sulfate	<0.76		1.0	0.76	mg/L			09/04/21 00:45	1

Lab Sample ID: MB 180-370252/6
Matrix: Water
Analysis Batch: 370252

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			09/03/21 13:48	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 13:48	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 13:48	1

Lab Sample ID: LCS 180-370252/41
Matrix: Water
Analysis Batch: 370252

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	53.3		mg/L		107	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	53.0		mg/L		106	90 - 110

Lab Sample ID: 180-126090-7 MS
Matrix: Water
Analysis Batch: 370252

Client Sample ID: SGWC-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.038	J	2.50	2.51		mg/L		99	90 - 110
Sulfate	38		50.0	87.2		mg/L		97	90 - 110

Lab Sample ID: 180-126090-7 MSD
Matrix: Water
Analysis Batch: 370252

Client Sample ID: SGWC-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.038	J	2.50	2.40		mg/L		95	90 - 110	4	20
Sulfate	38		50.0	84.8		mg/L		93	90 - 110	3	20

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

Lab Sample ID: MB 180-368730/1-A
Matrix: Water
Analysis Batch: 369103

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:25	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:25	1

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

Lab Sample ID: MB 180-368730/1-A
Matrix: Water
Analysis Batch: 369103

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/20/21 12:11	08/24/21 19:25	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/20/21 12:11	08/24/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:25	1

Lab Sample ID: LCS 180-368730/2-A
Matrix: Water
Analysis Batch: 369103

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.254		mg/L		102	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.506		mg/L		101	80 - 120
Boron	1.25	1.32		mg/L		105	80 - 120
Cadmium	0.500	0.535		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Lithium	0.500	0.486		mg/L		97	80 - 120
Molybdenum	0.500	0.535		mg/L		107	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: 180-125969-B-2-B MS
Matrix: Water
Analysis Batch: 369103

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 368730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.015		1.00	1.08		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Boron	<0.039		1.25	1.31		mg/L		105	75 - 125
Cadmium	<0.00022		0.500	0.541		mg/L		108	75 - 125
Calcium	0.81		25.0	28.5		mg/L		111	75 - 125
Chromium	0.0015	J	0.500	0.519		mg/L		103	75 - 125
Cobalt	0.00039	J	0.500	0.513		mg/L		103	75 - 125
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125
Lithium	<0.0034		0.500	0.494		mg/L		99	75 - 125
Molybdenum	<0.00061		0.500	0.531		mg/L		106	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Thallium	0.00015	J	1.00	1.06		mg/L		106	75 - 125

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

Lab Sample ID: 180-125969-B-2-C MSD
Matrix: Water
Analysis Batch: 369103

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 368730

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.252		mg/L		101	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	2	20
Barium	0.015		1.00	1.07		mg/L		105	75 - 125	1	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	<0.039		1.25	1.38		mg/L		110	75 - 125	5	20
Cadmium	<0.00022		0.500	0.535		mg/L		107	75 - 125	1	20
Calcium	0.81		25.0	28.6		mg/L		111	75 - 125	0	20
Chromium	0.0015	J	0.500	0.527		mg/L		105	75 - 125	1	20
Cobalt	0.00039	J	0.500	0.524		mg/L		105	75 - 125	2	20
Lead	<0.00013		0.500	0.538		mg/L		108	75 - 125	1	20
Lithium	<0.0034		0.500	0.495		mg/L		99	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.539		mg/L		108	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Thallium	0.00015	J	1.00	1.08		mg/L		108	75 - 125	1	20

Lab Sample ID: MB 180-369118/1-A
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 369118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/25/21 08:46	08/27/21 09:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/25/21 08:46	08/27/21 09:52	1
Barium	<0.0016		0.010	0.0016	mg/L		08/25/21 08:46	08/27/21 09:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/25/21 08:46	08/27/21 09:52	1
Boron	<0.039		0.080	0.039	mg/L		08/25/21 08:46	08/27/21 09:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/25/21 08:46	08/27/21 09:52	1
Calcium	<0.13		0.50	0.13	mg/L		08/25/21 08:46	08/27/21 09:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/25/21 08:46	08/27/21 09:52	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 08:46	08/27/21 09:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/25/21 08:46	08/27/21 09:52	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 08:46	08/27/21 09:52	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/25/21 08:46	08/27/21 09:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/25/21 08:46	08/27/21 09:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/25/21 08:46	08/27/21 09:52	1

Lab Sample ID: LCS 180-369118/2-A
Matrix: Water
Analysis Batch: 369368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 369118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.232		mg/L		93	80 - 120
Arsenic	1.00	0.998		mg/L		100	80 - 120
Barium	1.00	0.971		mg/L		97	80 - 120
Beryllium	0.500	0.500		mg/L		100	80 - 120
Boron	1.25	1.28		mg/L		102	80 - 120
Cadmium	0.500	0.484		mg/L		97	80 - 120
Calcium	25.0	26.4		mg/L		105	80 - 120
Chromium	0.500	0.474		mg/L		95	80 - 120
Cobalt	0.500	0.474		mg/L		95	80 - 120

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

Lab Sample ID: LCS 180-369118/2-A
Matrix: Water
Analysis Batch: 369368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 369118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.489		mg/L		98	80 - 120
Lithium	0.500	0.492		mg/L		98	80 - 120
Molybdenum	0.500	0.514		mg/L		103	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Thallium	1.00	0.974		mg/L		97	80 - 120

Lab Sample ID: 180-126059-1 MS
Matrix: Water
Analysis Batch: 369368

Client Sample ID: SGWA-3
Prep Type: Total Recoverable
Prep Batch: 369118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.234		mg/L		93	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.036		1.00	1.03		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.480		mg/L		96	75 - 125
Calcium	5.9		25.0	32.3		mg/L		106	75 - 125
Chromium	0.020		0.500	0.499		mg/L		96	75 - 125
Cobalt	<0.00013		0.500	0.484		mg/L		97	75 - 125
Lead	<0.00013		0.500	0.501		mg/L		100	75 - 125
Lithium	<0.0034		0.500	0.500		mg/L		100	75 - 125
Molybdenum	<0.00061		0.500	0.517		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125
Thallium	<0.00015		1.00	0.978		mg/L		98	75 - 125

Lab Sample ID: 180-126059-1 MSD
Matrix: Water
Analysis Batch: 369368

Client Sample ID: SGWA-3
Prep Type: Total Recoverable
Prep Batch: 369118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.236		mg/L		94	75 - 125	1	20
Arsenic	<0.00031		1.00	1.01		mg/L		101	75 - 125	1	20
Barium	0.036		1.00	1.03		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	0	20
Cadmium	<0.00022		0.500	0.484		mg/L		97	75 - 125	1	20
Calcium	5.9		25.0	31.9		mg/L		104	75 - 125	1	20
Chromium	0.020		0.500	0.495		mg/L		95	75 - 125	1	20
Cobalt	<0.00013		0.500	0.472		mg/L		94	75 - 125	2	20
Lead	<0.00013		0.500	0.493		mg/L		99	75 - 125	2	20
Lithium	<0.0034		0.500	0.501		mg/L		100	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.510		mg/L		102	75 - 125	1	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	1	20
Thallium	<0.00015		1.00	0.991		mg/L		99	75 - 125	1	20

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

Lab Sample ID: MB 180-369326/1-A
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 369326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:39	08/27/21 10:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 10:35	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 10:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 10:35	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 10:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 10:35	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 10:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 10:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 10:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 10:35	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/26/21 12:39	08/27/21 10:35	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		08/26/21 12:39	08/27/21 10:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 10:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 10:35	1

Lab Sample ID: LCS 180-369326/2-A
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 369326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.246		mg/L		98	80 - 120
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.32		mg/L		106	80 - 120
Cadmium	0.500	0.525		mg/L		105	80 - 120
Calcium	25.0	26.8		mg/L		107	80 - 120
Chromium	0.500	0.495		mg/L		99	80 - 120
Cobalt	0.500	0.521		mg/L		104	80 - 120
Lead	0.500	0.525		mg/L		105	80 - 120
Lithium	0.500	0.497		mg/L		99	80 - 120
Molybdenum	0.500	0.524		mg/L		105	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: 180-126093-B-14-B MS
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 369326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.243		mg/L		97	75 - 125
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125
Barium	0.011		1.00	1.00		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.517		mg/L		103	75 - 125
Boron	<0.039		1.25	1.36		mg/L		109	75 - 125
Cadmium	<0.00022		0.500	0.521		mg/L		104	75 - 125
Calcium	6.9		25.0	33.5		mg/L		107	75 - 125
Chromium	0.0015	J	0.500	0.495		mg/L		99	75 - 125
Cobalt	<0.00013		0.500	0.513		mg/L		103	75 - 125

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

Lab Sample ID: 180-126093-B-14-B MS
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 369326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.00017	J	0.500	0.531		mg/L		106	75 - 125
Lithium	<0.0034		0.500	0.500		mg/L		100	75 - 125
Molybdenum	<0.00061		0.500	0.521		mg/L		104	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Thallium	<0.00015		1.00	1.05		mg/L		105	75 - 125

Lab Sample ID: 180-126093-B-14-C MSD
Matrix: Water
Analysis Batch: 369490

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 369326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125	2	20
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	1	20
Barium	0.011		1.00	1.00		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125	1	20
Boron	<0.039		1.25	1.35		mg/L		108	75 - 125	1	20
Cadmium	<0.00022		0.500	0.513		mg/L		103	75 - 125	1	20
Calcium	6.9		25.0	33.1		mg/L		105	75 - 125	1	20
Chromium	0.0015	J	0.500	0.482		mg/L		96	75 - 125	3	20
Cobalt	<0.00013		0.500	0.518		mg/L		104	75 - 125	1	20
Lead	0.00017	J	0.500	0.513		mg/L		103	75 - 125	3	20
Lithium	<0.0034		0.500	0.500		mg/L		100	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.525		mg/L		105	75 - 125	1	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	0	20
Thallium	<0.00015		1.00	1.04		mg/L		104	75 - 125	1	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-368875/1-A
Matrix: Water
Analysis Batch: 369203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/23/21 12:47	08/25/21 14:44	1

Lab Sample ID: LCS 180-368875/2-A
Matrix: Water
Analysis Batch: 369203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

Lab Sample ID: 180-125920-E-5-E MS
Matrix: Water
Analysis Batch: 369203

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 368875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.000932		mg/L		93	75 - 125

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

Lab Sample ID: 180-125920-E-5-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369203 — **Prep Batch: 368875**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00100		mg/L		100	75 - 125	7	20

Lab Sample ID: MB 180-369480/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369675 — **Prep Batch: 369480**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		08/27/21 13:00	08/30/21 16:20	1

Lab Sample ID: LCS 180-369480/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369675 — **Prep Batch: 369480**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00228		mg/L		91	80 - 120		

Lab Sample ID: 180-125815-E-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369675 — **Prep Batch: 369480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013		0.00100	0.000962		mg/L		96	75 - 125		

Lab Sample ID: 180-125815-E-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369675 — **Prep Batch: 369480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000906		mg/L		91	75 - 125	6	20

Lab Sample ID: MB 180-369880/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370276 — **Prep Batch: 369880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/01/21 09:36	09/03/21 13:30	1

Lab Sample ID: LCS 180-369880/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370276 — **Prep Batch: 369880**

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: 180-126085-E-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 370276 — **Prep Batch: 369880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013		0.00100	0.00103		mg/L		103	75 - 125		

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-126085-E-1-D MSD
Matrix: Water
Analysis Batch: 370276

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 369880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00102		mg/L		102	75 - 125	0	20

Lab Sample ID: MB 180-369881/1-A
Matrix: Water
Analysis Batch: 370276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 369881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/01/21 09:39	09/03/21 13:59	1

Lab Sample ID: LCS 180-369881/2-A
Matrix: Water
Analysis Batch: 370276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 369881

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00244		mg/L		98	80 - 120		

Lab Sample ID: 180-126089-F-3-C MS
Matrix: Water
Analysis Batch: 370276

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 369881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013		0.00100	0.000982		mg/L		98	75 - 125		

Lab Sample ID: 180-126089-F-3-D MSD
Matrix: Water
Analysis Batch: 370276

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 369881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000941		mg/L		94	75 - 125	4	20

Lab Sample ID: MB 180-369922/1-A
Matrix: Water
Analysis Batch: 370104

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 369922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/01/21 12:39	09/02/21 12:58	1

Lab Sample ID: LCS 180-369922/2-A
Matrix: Water
Analysis Batch: 370104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 369922

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00266		mg/L		106	80 - 120		

Lab Sample ID: 180-126187-D-1-E MS
Matrix: Water
Analysis Batch: 370104

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 369922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013		0.00100	0.000799		mg/L		80	75 - 125		

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-126187-D-1-F MSD
Matrix: Water
Analysis Batch: 370104

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 369922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000906		mg/L		91	75 - 125	13	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-368811/2
Matrix: Water
Analysis Batch: 368811

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			08/22/21 17:36	1

Lab Sample ID: LCS 180-368811/1
Matrix: Water
Analysis Batch: 368811

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			685	704		mg/L		103	80 - 120		

Lab Sample ID: 180-125972-3 DU
Matrix: Water
Analysis Batch: 368811

Client Sample ID: SGWA-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	130			126		mg/L				3	10

Lab Sample ID: MB 180-369142/2
Matrix: Water
Analysis Batch: 369142

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			08/25/21 10:30	1

Lab Sample ID: LCS 180-369142/1
Matrix: Water
Analysis Batch: 369142

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			685	708		mg/L		103	80 - 120		

Lab Sample ID: 180-126043-A-3 DU
Matrix: Water
Analysis Batch: 369142

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	5100			5030		mg/L				1	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-369160/2
Matrix: Water
Analysis Batch: 369160

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			08/25/21 11:13	1

Lab Sample ID: LCS 180-369160/1
Matrix: Water
Analysis Batch: 369160

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	685	656		mg/L		96	80 - 120

Lab Sample ID: 180-126059-8 DU
Matrix: Water
Analysis Batch: 369160

Client Sample ID: SGWC-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	380		387		mg/L		1	10

Lab Sample ID: 180-126085-C-1 DU
Matrix: Water
Analysis Batch: 369160

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	2500		2530		mg/L		2	10

Lab Sample ID: MB 180-369205/2
Matrix: Water
Analysis Batch: 369205

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			08/25/21 16:50	1

Lab Sample ID: LCS 180-369205/1
Matrix: Water
Analysis Batch: 369205

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	685	694		mg/L		101	80 - 120

Lab Sample ID: 180-126090-6 DU
Matrix: Water
Analysis Batch: 369205

Client Sample ID: SGWC-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	320		319		mg/L		0.6	10

HPLC/IC

Analysis Batch: 369870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-125972-2	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-125972-3	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-125972-4	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369870/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369870/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125972-3 MS	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-125972-3 MSD	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 369894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126060-1	EB-6	Total/NA	Water	EPA 300.0 R2.1	
180-126060-2	DUP-5	Total/NA	Water	EPA 300.0 R2.1	
180-126060-2	DUP-5	Total/NA	Water	EPA 300.0 R2.1	
180-126060-3	FB-5	Total/NA	Water	EPA 300.0 R2.1	
180-126060-4	FB-6	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369894/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369894/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126437-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-126437-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 370035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-2	SGWA-5	Total/NA	Water	EPA 300.0 R2.1	
180-126059-3	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-126059-4	SGWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-126059-5	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-126059-7	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-126059-8	SGWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-126059-9	SGWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-126059-10	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-126059-12	EB-5	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370035/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370035/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126059-1 MS	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-1 MSD	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11 MS	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11 MSD	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 370036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-126090-2	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-126090-3	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-126090-4	SGWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-126090-5	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-126090-6	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-126090-8	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	

HPLC/IC (Continued)

Analysis Batch: 370036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-9	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-126090-10	EB-7	Total/NA	Water	EPA 300.0 R2.1	
180-126090-11	DUP-7	Total/NA	Water	EPA 300.0 R2.1	
180-126090-12	FB-8	Total/NA	Water	EPA 300.0 R2.1	
180-126090-13	DUP-8	Total/NA	Water	EPA 300.0 R2.1	
180-126090-14	SGWC-12	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370036/64	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370036/63	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7 MS	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7 MSD	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-126093-A-11 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-126093-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 370188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-2	SGWA-5	Total/NA	Water	EPA 300.0 R2.1	
180-126059-3	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-126059-4	SGWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-126059-5	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-126059-6	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-126059-6	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-126059-7	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-126059-8	SGWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-126059-9	SGWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-126059-10	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-126059-12	EB-5	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370188/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370188/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126059-1 MS	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-1 MSD	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11 MS	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-126059-11 MSD	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 370252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-126090-2	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-126090-3	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-126090-4	SGWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-126090-5	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-126090-6	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-126090-8	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-126090-8	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-126090-9	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-126090-9	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-126090-13	DUP-8	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370252/42	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370252/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	

HPLC/IC (Continued)

Analysis Batch: 370252 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-370252/41	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7 MS	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-126090-7 MSD	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 368730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total Recoverable	Water	3005A	
180-125972-2	SGWA-2	Total Recoverable	Water	3005A	
180-125972-3	SGWA-4	Total Recoverable	Water	3005A	
180-125972-4	SGWA-25	Total Recoverable	Water	3005A	
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 368875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	7470A	
180-125972-2	SGWA-2	Total/NA	Water	7470A	
180-125972-3	SGWA-4	Total/NA	Water	7470A	
180-125972-4	SGWA-25	Total/NA	Water	7470A	
MB 180-368875/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	7470A	
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 369103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total Recoverable	Water	EPA 6020B	368730
180-125972-2	SGWA-2	Total Recoverable	Water	EPA 6020B	368730
180-125972-3	SGWA-4	Total Recoverable	Water	EPA 6020B	368730
180-125972-4	SGWA-25	Total Recoverable	Water	EPA 6020B	368730
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368730
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	368730
180-125969-B-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	368730

Prep Batch: 369118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total Recoverable	Water	3005A	
180-126059-2	SGWA-5	Total Recoverable	Water	3005A	
180-126059-3	SGWC-6	Total Recoverable	Water	3005A	
180-126059-4	SGWC-7	Total Recoverable	Water	3005A	
180-126059-5	SGWC-8	Total Recoverable	Water	3005A	
180-126059-6	SGWC-17	Total Recoverable	Water	3005A	
180-126059-7	SGWC-18	Total Recoverable	Water	3005A	
180-126059-8	SGWC-21	Total Recoverable	Water	3005A	
180-126059-9	SGWC-22	Total Recoverable	Water	3005A	
180-126059-10	SGWC-23	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 369118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-11	SGWA-24	Total Recoverable	Water	3005A	
180-126059-12	EB-5	Total Recoverable	Water	3005A	
180-126060-1	EB-6	Total Recoverable	Water	3005A	
180-126060-2	DUP-5	Total Recoverable	Water	3005A	
180-126060-3	FB-5	Total Recoverable	Water	3005A	
180-126060-4	FB-6	Total Recoverable	Water	3005A	
MB 180-369118/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369118/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126059-1 MS	SGWA-3	Total Recoverable	Water	3005A	
180-126059-1 MSD	SGWA-3	Total Recoverable	Water	3005A	

Analysis Batch: 369203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	EPA 7470A	368875
180-125972-2	SGWA-2	Total/NA	Water	EPA 7470A	368875
180-125972-3	SGWA-4	Total/NA	Water	EPA 7470A	368875
180-125972-4	SGWA-25	Total/NA	Water	EPA 7470A	368875
MB 180-368875/1-A	Method Blank	Total/NA	Water	EPA 7470A	368875
LCS 180-368875/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	368875
180-125920-E-5-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	368875

Prep Batch: 369326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total Recoverable	Water	3005A	
180-126090-2	SGWC-10	Total Recoverable	Water	3005A	
180-126090-3	SGWC-11	Total Recoverable	Water	3005A	
180-126090-4	SGWC-13	Total Recoverable	Water	3005A	
180-126090-5	SGWC-14	Total Recoverable	Water	3005A	
180-126090-6	SGWC-15	Total Recoverable	Water	3005A	
180-126090-7	SGWC-16	Total Recoverable	Water	3005A	
180-126090-8	SGWC-19	Total Recoverable	Water	3005A	
180-126090-9	SGWC-20	Total Recoverable	Water	3005A	
180-126090-10	EB-7	Total Recoverable	Water	3005A	
180-126090-11	DUP-7	Total Recoverable	Water	3005A	
180-126090-12	FB-8	Total Recoverable	Water	3005A	
180-126090-13	DUP-8	Total Recoverable	Water	3005A	
180-126090-14	SGWC-12	Total Recoverable	Water	3005A	
MB 180-369326/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369326/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126093-B-14-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-126093-B-14-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 369368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total Recoverable	Water	EPA 6020B	369118
180-126059-2	SGWA-5	Total Recoverable	Water	EPA 6020B	369118
180-126059-3	SGWC-6	Total Recoverable	Water	EPA 6020B	369118
180-126059-4	SGWC-7	Total Recoverable	Water	EPA 6020B	369118
180-126059-5	SGWC-8	Total Recoverable	Water	EPA 6020B	369118
180-126059-6	SGWC-17	Total Recoverable	Water	EPA 6020B	369118

Metals (Continued)

Analysis Batch: 369368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-7	SGWC-18	Total Recoverable	Water	EPA 6020B	369118
180-126059-8	SGWC-21	Total Recoverable	Water	EPA 6020B	369118
180-126059-9	SGWC-22	Total Recoverable	Water	EPA 6020B	369118
180-126059-10	SGWC-23	Total Recoverable	Water	EPA 6020B	369118
180-126059-11	SGWA-24	Total Recoverable	Water	EPA 6020B	369118
180-126059-12	EB-5	Total Recoverable	Water	EPA 6020B	369118
180-126060-1	EB-6	Total Recoverable	Water	EPA 6020B	369118
180-126060-2	DUP-5	Total Recoverable	Water	EPA 6020B	369118
180-126060-3	FB-5	Total Recoverable	Water	EPA 6020B	369118
180-126060-4	FB-6	Total Recoverable	Water	EPA 6020B	369118
LCS 180-369118/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369118
180-126059-1 MS	SGWA-3	Total Recoverable	Water	EPA 6020B	369118
180-126059-1 MSD	SGWA-3	Total Recoverable	Water	EPA 6020B	369118

Prep Batch: 369480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	7470A	
180-126059-2	SGWA-5	Total/NA	Water	7470A	
180-126059-3	SGWC-6	Total/NA	Water	7470A	
180-126059-4	SGWC-7	Total/NA	Water	7470A	
180-126059-5	SGWC-8	Total/NA	Water	7470A	
180-126059-6	SGWC-17	Total/NA	Water	7470A	
180-126059-7	SGWC-18	Total/NA	Water	7470A	
180-126059-8	SGWC-21	Total/NA	Water	7470A	
180-126059-9	SGWC-22	Total/NA	Water	7470A	
180-126059-10	SGWC-23	Total/NA	Water	7470A	
180-126059-11	SGWA-24	Total/NA	Water	7470A	
180-126059-12	EB-5	Total/NA	Water	7470A	
180-126060-1	EB-6	Total/NA	Water	7470A	
180-126060-2	DUP-5	Total/NA	Water	7470A	
180-126060-3	FB-5	Total/NA	Water	7470A	
180-126060-4	FB-6	Total/NA	Water	7470A	
MB 180-369480/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-369480/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-125815-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-125815-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 369490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total Recoverable	Water	EPA 6020B	369326
180-126090-2	SGWC-10	Total Recoverable	Water	EPA 6020B	369326
180-126090-3	SGWC-11	Total Recoverable	Water	EPA 6020B	369326
180-126090-4	SGWC-13	Total Recoverable	Water	EPA 6020B	369326
180-126090-5	SGWC-14	Total Recoverable	Water	EPA 6020B	369326
180-126090-6	SGWC-15	Total Recoverable	Water	EPA 6020B	369326
180-126090-7	SGWC-16	Total Recoverable	Water	EPA 6020B	369326
180-126090-8	SGWC-19	Total Recoverable	Water	EPA 6020B	369326
180-126090-9	SGWC-20	Total Recoverable	Water	EPA 6020B	369326
180-126090-10	EB-7	Total Recoverable	Water	EPA 6020B	369326
180-126090-11	DUP-7	Total Recoverable	Water	EPA 6020B	369326
180-126090-12	FB-8	Total Recoverable	Water	EPA 6020B	369326

Metals (Continued)

Analysis Batch: 369490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-13	DUP-8	Total Recoverable	Water	EPA 6020B	369326
180-126090-14	SGWC-12	Total Recoverable	Water	EPA 6020B	369326
MB 180-369118/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369118
MB 180-369326/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369326
LCS 180-369326/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369326
180-126093-B-14-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	369326
180-126093-B-14-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	369326

Analysis Batch: 369675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	EPA 7470A	369480
180-126059-2	SGWA-5	Total/NA	Water	EPA 7470A	369480
180-126059-3	SGWC-6	Total/NA	Water	EPA 7470A	369480
180-126059-4	SGWC-7	Total/NA	Water	EPA 7470A	369480
180-126059-5	SGWC-8	Total/NA	Water	EPA 7470A	369480
180-126059-6	SGWC-17	Total/NA	Water	EPA 7470A	369480
180-126059-7	SGWC-18	Total/NA	Water	EPA 7470A	369480
180-126059-8	SGWC-21	Total/NA	Water	EPA 7470A	369480
180-126059-9	SGWC-22	Total/NA	Water	EPA 7470A	369480
180-126059-10	SGWC-23	Total/NA	Water	EPA 7470A	369480
180-126059-11	SGWA-24	Total/NA	Water	EPA 7470A	369480
180-126059-12	EB-5	Total/NA	Water	EPA 7470A	369480
180-126060-1	EB-6	Total/NA	Water	EPA 7470A	369480
180-126060-2	DUP-5	Total/NA	Water	EPA 7470A	369480
180-126060-3	FB-5	Total/NA	Water	EPA 7470A	369480
180-126060-4	FB-6	Total/NA	Water	EPA 7470A	369480
MB 180-369480/1-A	Method Blank	Total/NA	Water	EPA 7470A	369480
LCS 180-369480/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	369480
180-125815-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	369480
180-125815-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	369480

Prep Batch: 369880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total/NA	Water	7470A	
180-126090-2	SGWC-10	Total/NA	Water	7470A	
180-126090-3	SGWC-11	Total/NA	Water	7470A	
180-126090-4	SGWC-13	Total/NA	Water	7470A	
180-126090-5	SGWC-14	Total/NA	Water	7470A	
180-126090-6	SGWC-15	Total/NA	Water	7470A	
180-126090-7	SGWC-16	Total/NA	Water	7470A	
180-126090-8	SGWC-19	Total/NA	Water	7470A	
MB 180-369880/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-369880/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-126085-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-126085-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 369881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-9	SGWC-20	Total/NA	Water	7470A	
180-126090-10	EB-7	Total/NA	Water	7470A	
180-126090-11	DUP-7	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 369881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-12	FB-8	Total/NA	Water	7470A	
180-126090-13	DUP-8	Total/NA	Water	7470A	
MB 180-369881/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-369881/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-126089-F-3-C MS	Matrix Spike	Total/NA	Water	7470A	
180-126089-F-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 369922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-14	SGWC-12	Total/NA	Water	7470A	
MB 180-369922/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-369922/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-126187-D-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-126187-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 370104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-14	SGWC-12	Total/NA	Water	EPA 7470A	369922
MB 180-369922/1-A	Method Blank	Total/NA	Water	EPA 7470A	369922
LCS 180-369922/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	369922
180-126187-D-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	369922
180-126187-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	369922

Analysis Batch: 370276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total/NA	Water	EPA 7470A	369880
180-126090-2	SGWC-10	Total/NA	Water	EPA 7470A	369880
180-126090-3	SGWC-11	Total/NA	Water	EPA 7470A	369880
180-126090-4	SGWC-13	Total/NA	Water	EPA 7470A	369880
180-126090-5	SGWC-14	Total/NA	Water	EPA 7470A	369880
180-126090-6	SGWC-15	Total/NA	Water	EPA 7470A	369880
180-126090-7	SGWC-16	Total/NA	Water	EPA 7470A	369880
180-126090-8	SGWC-19	Total/NA	Water	EPA 7470A	369880
180-126090-9	SGWC-20	Total/NA	Water	EPA 7470A	369881
180-126090-10	EB-7	Total/NA	Water	EPA 7470A	369881
180-126090-11	DUP-7	Total/NA	Water	EPA 7470A	369881
180-126090-12	FB-8	Total/NA	Water	EPA 7470A	369881
180-126090-13	DUP-8	Total/NA	Water	EPA 7470A	369881
MB 180-369880/1-A	Method Blank	Total/NA	Water	EPA 7470A	369880
MB 180-369881/1-A	Method Blank	Total/NA	Water	EPA 7470A	369881
LCS 180-369880/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	369880
LCS 180-369881/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	369881
180-126085-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	369880
180-126085-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	369880
180-126089-F-3-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	369881
180-126089-F-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	369881

General Chemistry

Analysis Batch: 368811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	SM 2540C	
180-125972-2	SGWA-2	Total/NA	Water	SM 2540C	
180-125972-3	SGWA-4	Total/NA	Water	SM 2540C	
180-125972-4	SGWA-25	Total/NA	Water	SM 2540C	
MB 180-368811/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368811/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125972-3 DU	SGWA-4	Total/NA	Water	SM 2540C	

Analysis Batch: 369142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	SM 2540C	
180-126059-2	SGWA-5	Total/NA	Water	SM 2540C	
180-126059-3	SGWC-6	Total/NA	Water	SM 2540C	
180-126059-4	SGWC-7	Total/NA	Water	SM 2540C	
180-126059-5	SGWC-8	Total/NA	Water	SM 2540C	
180-126059-6	SGWC-17	Total/NA	Water	SM 2540C	
180-126059-7	SGWC-18	Total/NA	Water	SM 2540C	
MB 180-369142/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369142/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-126043-A-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 369160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-8	SGWC-21	Total/NA	Water	SM 2540C	
180-126059-9	SGWC-22	Total/NA	Water	SM 2540C	
180-126059-10	SGWC-23	Total/NA	Water	SM 2540C	
180-126059-11	SGWA-24	Total/NA	Water	SM 2540C	
180-126059-12	EB-5	Total/NA	Water	SM 2540C	
180-126060-1	EB-6	Total/NA	Water	SM 2540C	
180-126060-2	DUP-5	Total/NA	Water	SM 2540C	
180-126060-3	FB-5	Total/NA	Water	SM 2540C	
180-126060-4	FB-6	Total/NA	Water	SM 2540C	
180-126090-1	SGWC-9	Total/NA	Water	SM 2540C	
180-126090-2	SGWC-10	Total/NA	Water	SM 2540C	
180-126090-3	SGWC-11	Total/NA	Water	SM 2540C	
180-126090-4	SGWC-13	Total/NA	Water	SM 2540C	
180-126090-5	SGWC-14	Total/NA	Water	SM 2540C	
MB 180-369160/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369160/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-126059-8 DU	SGWC-21	Total/NA	Water	SM 2540C	
180-126085-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 369205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-6	SGWC-15	Total/NA	Water	SM 2540C	
180-126090-7	SGWC-16	Total/NA	Water	SM 2540C	
180-126090-8	SGWC-19	Total/NA	Water	SM 2540C	
180-126090-9	SGWC-20	Total/NA	Water	SM 2540C	
180-126090-10	EB-7	Total/NA	Water	SM 2540C	
180-126090-11	DUP-7	Total/NA	Water	SM 2540C	
180-126090-12	FB-8	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 369205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-13	DUP-8	Total/NA	Water	SM 2540C	
180-126090-14	SGWC-12	Total/NA	Water	SM 2540C	
MB 180-369205/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369205/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-126090-6 DU	SGWC-15	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 369539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	Field Sampling	
180-125972-2	SGWA-2	Total/NA	Water	Field Sampling	
180-125972-3	SGWA-4	Total/NA	Water	Field Sampling	
180-125972-4	SGWA-25	Total/NA	Water	Field Sampling	

Analysis Batch: 369647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	Field Sampling	
180-126059-2	SGWA-5	Total/NA	Water	Field Sampling	
180-126059-3	SGWC-6	Total/NA	Water	Field Sampling	
180-126059-4	SGWC-7	Total/NA	Water	Field Sampling	
180-126059-5	SGWC-8	Total/NA	Water	Field Sampling	
180-126059-6	SGWC-17	Total/NA	Water	Field Sampling	
180-126059-7	SGWC-18	Total/NA	Water	Field Sampling	
180-126059-8	SGWC-21	Total/NA	Water	Field Sampling	
180-126059-9	SGWC-22	Total/NA	Water	Field Sampling	
180-126059-10	SGWC-23	Total/NA	Water	Field Sampling	
180-126059-11	SGWA-24	Total/NA	Water	Field Sampling	

Analysis Batch: 369649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-1	SGWC-9	Total/NA	Water	Field Sampling	
180-126090-2	SGWC-10	Total/NA	Water	Field Sampling	
180-126090-3	SGWC-11	Total/NA	Water	Field Sampling	
180-126090-4	SGWC-13	Total/NA	Water	Field Sampling	
180-126090-5	SGWC-14	Total/NA	Water	Field Sampling	
180-126090-6	SGWC-15	Total/NA	Water	Field Sampling	
180-126090-7	SGWC-16	Total/NA	Water	Field Sampling	
180-126090-8	SGWC-19	Total/NA	Water	Field Sampling	
180-126090-9	SGWC-20	Total/NA	Water	Field Sampling	
180-126090-14	SGWC-12	Total/NA	Water	Field Sampling	

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

Chain of Custody Record

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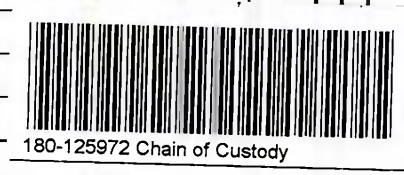
Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Labo

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 C
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific
SGWA-1	8/17/2021	15:10	G	GW	3			X	X	X	pH = 5.26
SGWA-2	8/17/2021	16:10	G	GW	3			X	X	X	pH = 6.84
SGWA-4	8/17/2021	14:45	G	GW	3			X	X	X	pH = 6.41
SGWA-25	8/17/2021	16:13	G	GW	3			X	X	X	pH = 6.08
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	1	4	



Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: GOLDER	Date/Time: 08/18/21 08:03	Received by: Elaine Cox/C	Company: Courier Mod 8/18/21	Date/Time:
Relinquished by:	Company:	Date/Time: 8/18/21 10am	Received by:	Company: 8/19/21 10am	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, da

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RIDC Park
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phone 412.963.7058 fax 412.963.2468

Chain of Custo

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TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn P.	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWA-3	8/18/2021	11:50	G	GW	5			X	X	X	pH = 5.85
SGWA-5	8/18/2021	10:55	G	GW	3			X	X	X	pH = 5.51
SGWC-6	8/18/2021	14:32	G	GW	3			X	X	X	pH = 6.33
SGWC-7	8/18/2021	16:00	G	GW	3			X	X	X	pH = 6.61
SGWC-8	8/18/2021	16:50	G	GW	3			X	X	X	pH = 6.48
SGWC-17	8/18/2021	16:45	G	GW	3			X	X	X	pH = 6.26
SGWC-18	8/18/2021	14:30	G	GW	3			X	X	X	pH = 4.83
SGWC-21	8/18/2021	15:30	G	GW	3			X	X	X	pH = 6.26
SGWC-22	8/18/2021	14:15	G	GW	3			X	X	X	pH = 5.76
SGWC-23	8/18/2021	11:30	G	GW	3			X	X	X	pH = 6.01
SGWA-24	8/18/2021	10:35	G	GW	3			X	X	X	pH = 6.45
EB-5	8/18/2021	14:30	G	Water	3			X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								**4**	**1**	**4**	

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

☐ Non-Hazard ☐ Flammable ☐ Skin ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: GOLDER	Date/Time: 08-19-21/08:00	Received by: Elaine Codik	Company: Courier NOW	Date/Time: 08/19/21
Relinquished by:	Company:	Date/Time: 8/19/21 958	Received by:	Company:	Date/Time: 8/19/21 958
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Co	Date/Time: 8-20-21 7:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __1__ COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below __3-5 days__			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
EB-6	8/18/2021	17:00	G	Water	3			X	X	X	
Dup-5	8/18/2021		G	GW	3			X	X	X	
FB-5	8/18/2021	11:15	G	Water	3			X	X	X	
FB-6	8/18/2021	15:25	G	Water	3			X	X	X	

180-126060 Chain of Custody

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:____ Corr'd:____ Therm ID No.:____		
Relinquished by: [signature]	Company: GOLDER	Date/Time: 08-19-21/0800	Received by: Elaine Cook	Company: Courier Now	Date/Time: 08/19/21
Relinquished by: [signature]	Company:	Date/Time: 8/19/21 958	Received by: [signature]	Company:	Date/Time: 8/19/21 958
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: [illegible]	Date/Time: 8-20-21 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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler: Jude Waguespack
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Shipping:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			G No.:
P O #	☐ 1 day			

180-126090 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: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-9	8/19/2021	10:22	G	GW	3	N	N	X	X	X	pH = 6.22
SGWC-10	8/19/2021	10:20	G	GW	3	N	N	X	X	X	pH = 5.21
SGWC-11	8/19/2021	12:02	G	GW	3	N	N	X	X	X	pH = 5.23
SGWC-13	8/19/2021	10:15	G	GW	3	N	N	X	X	X	pH = 5.99
SGWC-14	8/19/2021	11:25	G	GW	3	N	N	X	X	X	pH = 5.86
SGWC-15	8/19/2021	13:45	G	GW	3	N	N	X	X	X	pH = 4.63
SGWC-16	8/19/2021	10:10	G	GW	5	N	N	X	X	X	pH = 5.28; Extra Radium
SGWC-19	8/19/2021	13:30	G	GW	5	N	N	X	X	X	pH = 5.61; Extra Radium
SGWC-20	8/19/2021	11:55	G	GW	3	N	N	X	X	X	pH = 4.28
EB-7	8/19/2021	10:30	G	Water	3	N	N	X	X	X	
Dup-7	8/19/2021	--	G	GW	3	N	N	X	X	X	
FB-8	8/19/2021	12:32	G	Water	3	N	N	X	X	X	
								4	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.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by: TW... / SAMPLER	Company: GOLDER	Date/Time: 08-20-21/1500	Received by:	Company:	Date/Time: 8/20/21 1500
Relinquished by: TM	Company:	Date/Time: 8/20/21 1500	Received by: Dawn Prell	Company: GAP	Date/Time: 8-21-21 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	2 of 2 COCs
Southern Company	**Analysis Turnaround Time**			Sampler: J. Waguespack
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
Dup-8	8/19/2021	--	G	GW	3	N	N	X	X	X	
SGWC-12	8/20/2021	09:30	G	GW	3	N	N	X	X	X	pH = 6.13
								4	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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:			Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by: J. Waguespack	Company: Golder	Date/Time: 08-20-21/1500	Received by:	Company:	Date/Time: 8/20/21 1500	
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 8-21-21 0930	

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

TRCK: 1516 9332 0409

Part # 159469-434 RITZ EXP 04/22

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9981
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 18AUG21
ACTWGT: 60.90 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058

REF:
INV:
PO:
DEPT:

FedEx Express

THU - 19 AUG 10:30A
PRIORITY OVERNIGHT

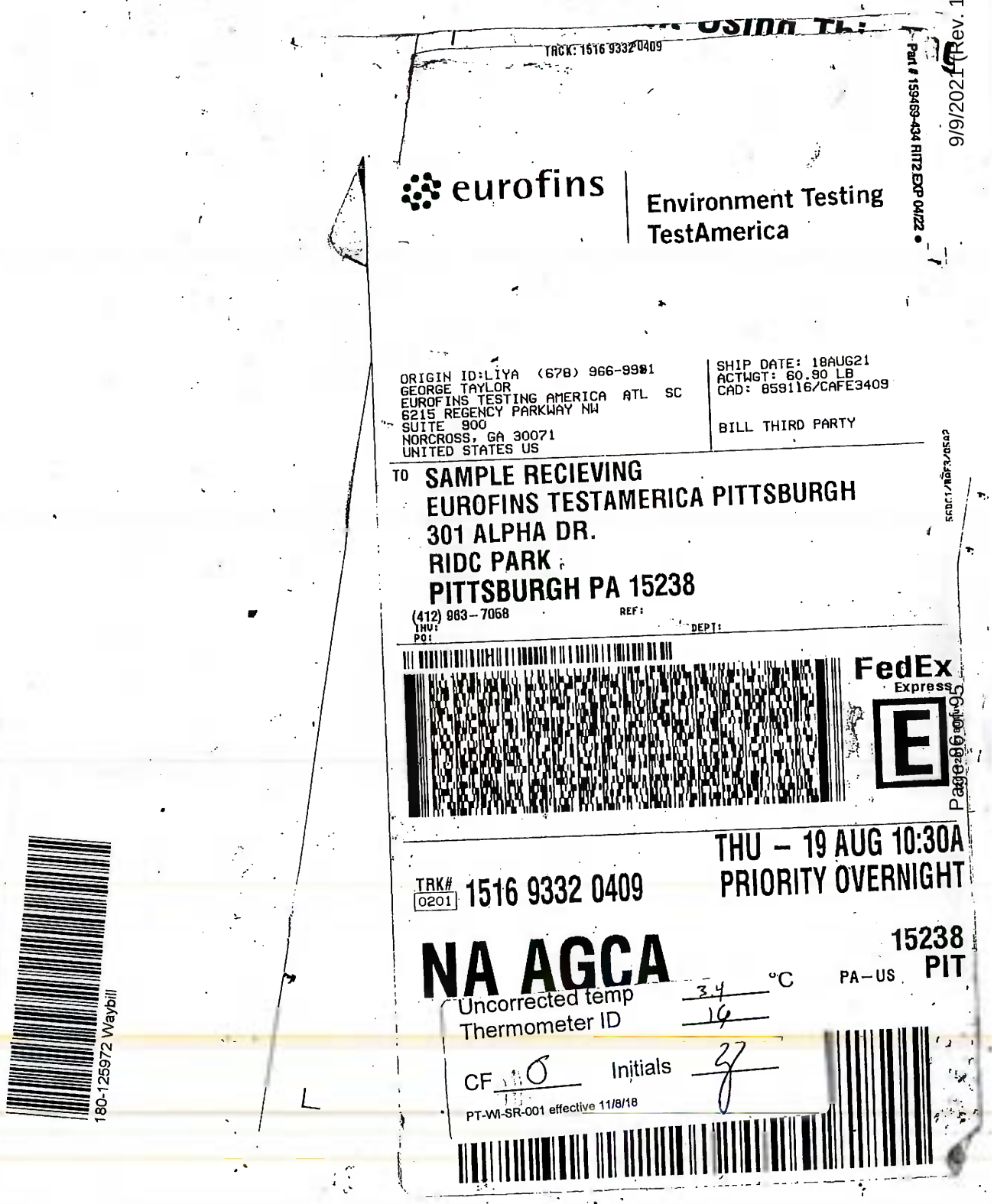
TRK# 0201 1516 9332 0409

NA AGCA

15238
PIT
PA-US

Uncorrected temp 3.4 °C
Thermometer ID 16
CF 0.0 Initials SJ
PT-WI-SR-001 effective 11/8/18

180-125972 Waybill



TRACK: 1516 9332 0409

Part # 159469-434 RITT2 EXP 04/22

eurofins | Environment Testing TestAmerica

9/9/2021 (Rev. 1)

ORIGIN ID:LIYA (678) 966-9901
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 18AUG21
ACTWGT: 60.90 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

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

(412) 963-7068 REF:
INV: DEPT:
PO:

FedEx Express

THU - 19 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1516 9332 0409

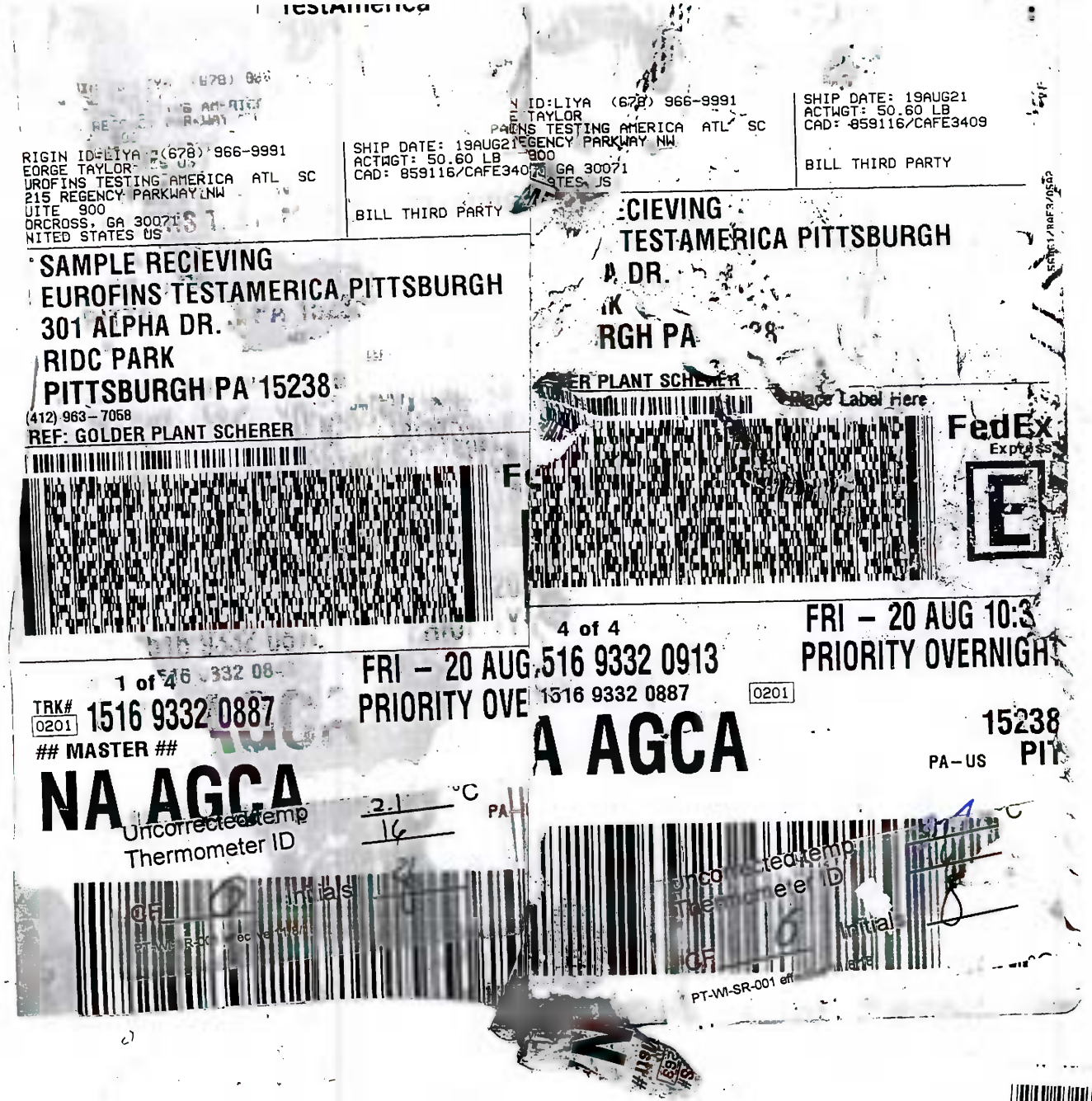
NA AGCA

15238 PIT PA-US

Uncorrected temp 3.4 °C
Thermometer ID 16
CF 0 Initials JF
PT-WI-SR-001 effective 11/8/18

180-125972 Waybill

Page 86 of 95



180-126059 Waybill

ot Lift Using This Tag

98 1 A
10:30 0898
08.20

Environment Testing
TestAmerica

:LIYA (678) 966-9991
YLOR
TESTING AMERICA ATL SC
NCY PARKWAY NW
O
GA 30071
ATES US

SHIP DATE: 19AUG21
ACTWGT: 50.60 LB
CAD: 859116/CAFE340

BILL THIRD PARTY

PLE RECIEVING
OFINS TESTAMERICA PITTSBURGH
ALPHA DR.
; PARK
SBURGH PA 15238
7058
LDER PLANT SCHERER

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Exp

2 of 4
16 9332 0898
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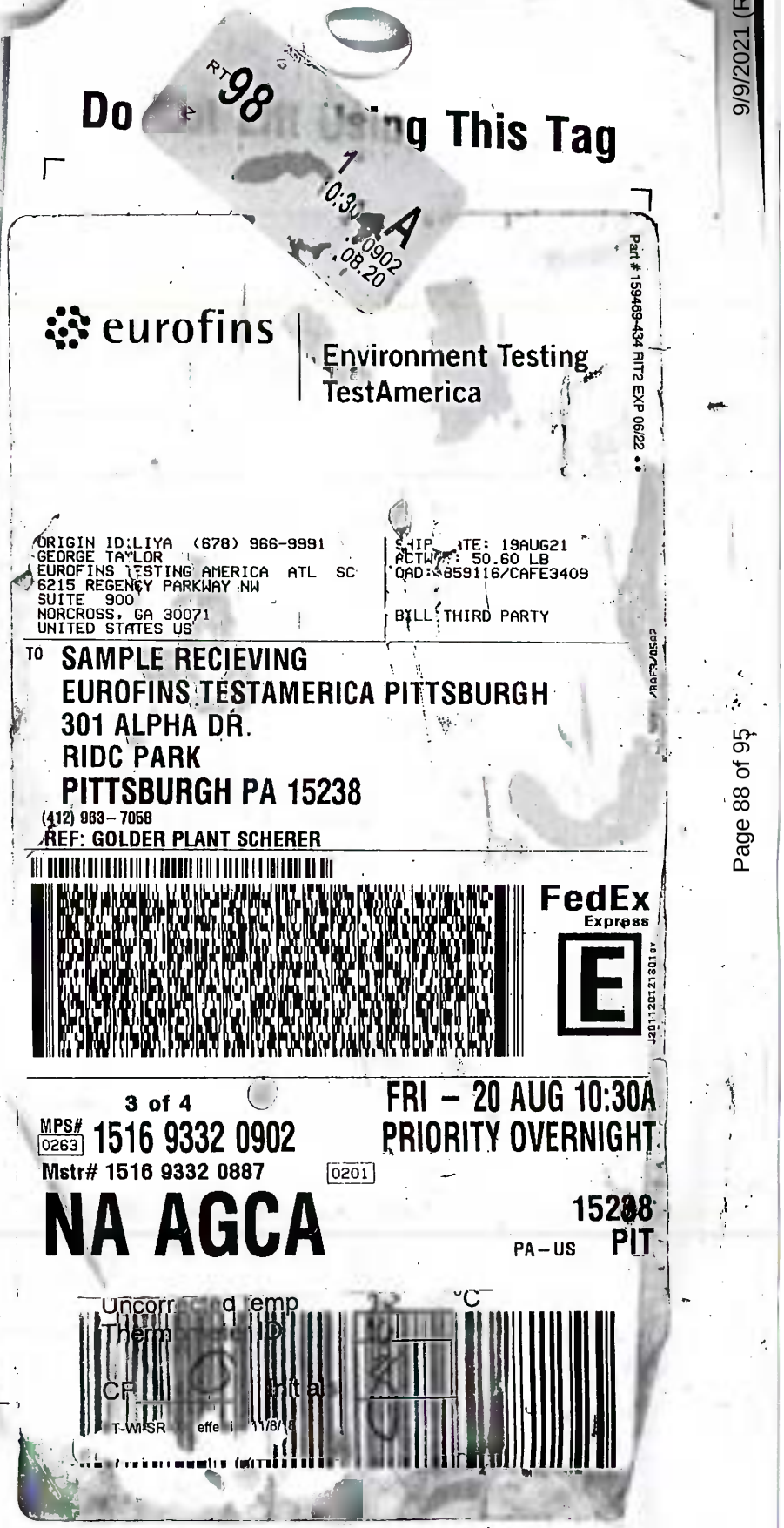
FRI – 20 AUG 10:30A
PRIORITY OVERNIGHT

AGCA

15238
PA–US PIT

orrected temp
nometer ID

°C



Do ing This Tag

98 1 A
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08.20

eurofins | Environment Testing
TestAmerica

Part # 159469-434 RIT2 EXP 06/22

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: 19AUG21
ACTWGT: 50.60 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER PLANT SCHERER

FedEx Express

3 of 4
MPS# 0263 1516 9332 0902
Mstr# 1516 9332 0887 0201

FRI – 20 AUG 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA–US PIT

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9/9/2021 (Rev. 1)

ot Lift Using This Tag

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08.20

Environment Testing
TestAmerica

Part # 159469-434 RIT2 EXP 06/22

D:LIYA (678) 966-9991
AYLOR
TESTING AMERICA ATL SC
ENCY PARKWAY NW
OC
, GA 30071
TATES US

SHIP DATE: 19AUG21
ACTWGT: 50.60 LB
CAD: 859116/CAFE340

BILL THIRD PARTY

PLE RECIEVING
OFINS TESTAMERICA PITTSBURGH
ALPHA DR.
PARK
SBURGH PA 15238
7058
LDER PLANT SCHERER

Fed
Exp

2 of 4
16 9332 0898
16 9332 0887
0201

FRI – 20 AUG 10:30A
PRIORITY OVERNIGHT

AGCA

15238
PA–US PIT

rrected temp
hometer ID

Do Not Lift Using This Tag

98 1 A
10:30
0902
0.20

eurofins | Environment Testing
TestAmerica

Part # 159469-434 RIT2 EXP 06/22

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

SHIP DATE: 19AUG21
ACTWGT: 50.60 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

AMPLE RECIEVING
IROFINS TESTAMERICA PITTSBURGH
1 ALPHA DR.
OC PARK
TSBURGH PA 15238
- 7058
LDER PLANT SCHERER

180-126060 Waybill

FedEx Express

3 of 4
MPS# 0263 1516 9332 0902
Mstr# 1516 9332 0887
0201

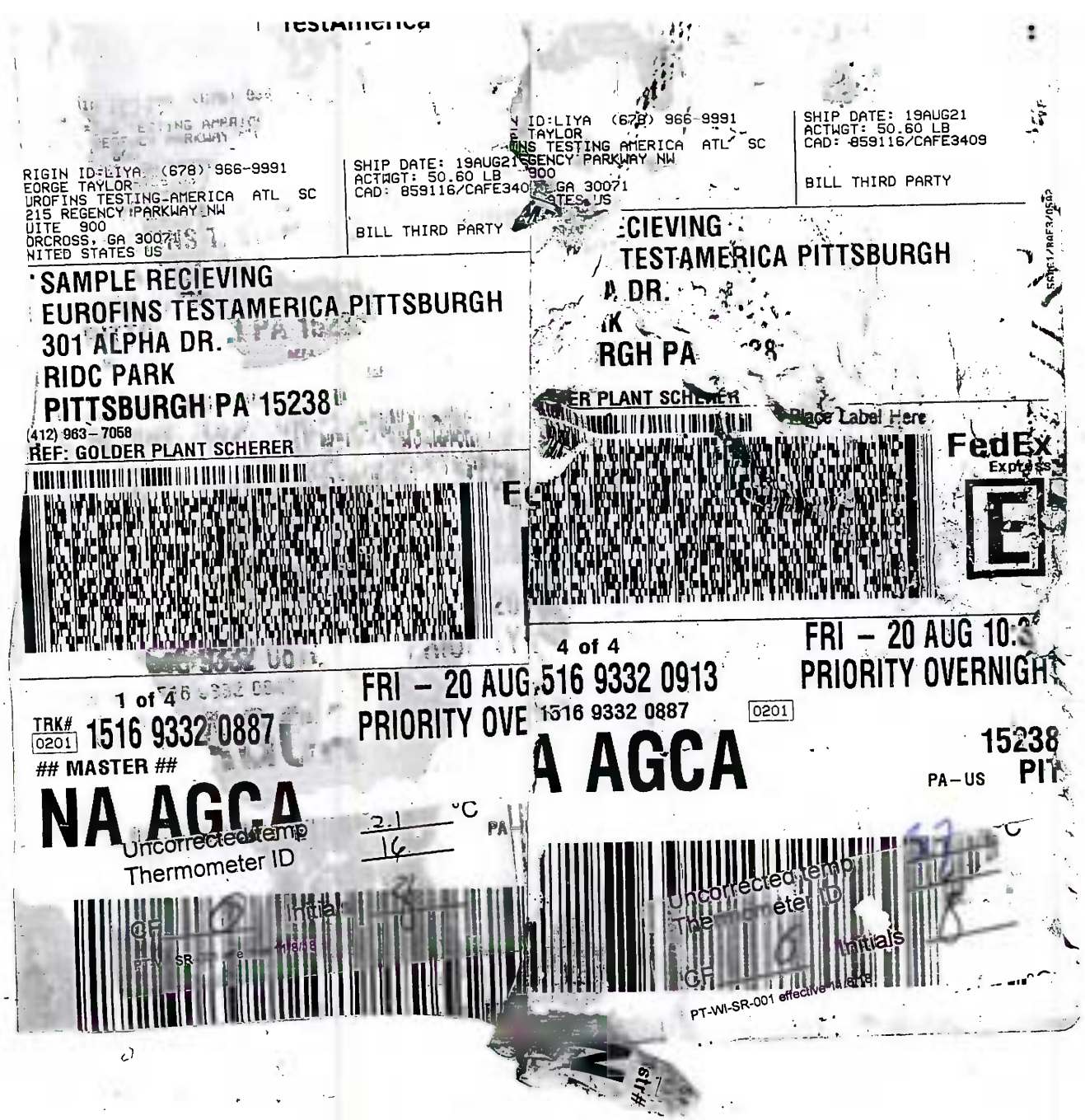
FRI – 20 AUG 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA–US PIT

Uncorrected temp
Thermometer ID
CR Initial
T-WI-SR effecti 11/8/

°C


SHIP DATE: 19AUG21
ACTWGT: 50.60 LB
CAD: 859116/CAFE3409
BILL THIRD PARTY
SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER PLANT SCHERER
Place Label Here
FedEx
Express
1 of 4
4 of 4
TRK# 1516 9332 0887
0201
MASTER
NA AGCA
FRI - 20 AUG
PRIORITY OVE
PRIORITY OVERNIGH
15238
PA-US
Uncorrected temp
Thermometer ID
Initials
PT-WI-SR-001 effective date


eurofins
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: 20AUG21
ACTWGT: 55.40 LB
CAD: 859116/CAFE3409
BILL THIRD PARTY
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
REF:
DEPT:
(412) 963-7058
INV:
PO:
FedEx Express
SATURDAY 12:00P
PRIORITY OVERNIGHT
4 of 4
MPS# 1516 9332 2261
Mstr# 1516 9332 2239
0263
0201
PA-US
XO AGCA
Uncorrected temp 5.8 °C
Thermometer ID 16
CF 0
Initials
PT-WI-SR-001 effective 11/8/18
639
FZ
SATURDAY 12:00P
PRIORITY OVERNIGHT
15238
PIT
Uncorrected temp
Thermometer ID
4.2 °C
16
CF 0
Initials
PT-WI-SR-001 effective 11/8/18
SATURDAY 12:00P
PRIORITY OVERNIGHT
15238
XO AGCA

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125972-1

Login Number: 125972
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-1

Login Number: 126059
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-1

Login Number: 126060
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-1

Login Number: 126090
List Number: 1
Creator: Watson, Debbie

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.	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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-125972-2
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:
10/11/2021 10:44:50 AM

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

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-125972-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-125972-2

Comments
No additional comments.

Receipt
The samples were received on 8/19/2021 9:15 AM, 8/20/2021 9:30 AM and 8/21/2021 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 13 coolers at receipt time were 2.1º C, 2.1º C, 3.2º C, 3.2º C, 3.4º C, 3.7º C, 3.7º C, 3.8º C, 3.8º C, 3.8º C, 4.2º C, 4.2º C and 5.8º 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.

The container label for one out of two of the plastic liters for the following sample did not match the information listed on the Chain-of-Custody (COC): SGWC-15 (180-126090-6). The container labels list a sample id of SGWC-14 while the COC lists SGWC-15. The id on the COC was used.

RAD
Methods 903.0, 9315: Radium 226 prep batch 160-524072
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 (180-125972-1), SGWA-2 (180-125972-2), SGWA-4 (180-125972-3), SGWA-25 (180-125972-4), (LCS 160-524072/1-A) and (MB 160-524072/24-A)

Methods 903.0, 9315: Radium-226 prep batch 160-524265:
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. EB-6 (180-126060-1), DUP-5 (180-126060-2), FB-5 (180-126060-3), FB-6 (180-126060-4), (LCS 160-524265/1-A) and (MB 160-524265/23-A)

Methods 903.0, 9315: Radium 226 prep batch 160-524328
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-3 (180-126059-1), SGWA-5 (180-126059-2), SGWC-6 (180-126059-3), SGWC-7 (180-126059-4), SGWC-8 (180-126059-5), SGWC-17 (180-126059-6), SGWC-18 (180-126059-7), (LCS 160-524328/1-A) and (MB 160-524328/23-A)

Methods 903.0, 9315: Radium-226 Batch 524649
The Radium-226 laboratory control sample (LCS) associated with the following samples recovered at 66% outside the in house statistical limits (67-118%). The LCSD is within criteria and the RPD is less than our in house limits of 40%. The laboratory does not believe this negatively affects the data and no further action is required.(LCS 160-524649/1-A)

Methods 903.0, 9315: Radium-226 Batch 524649
The following samples have an RER (replicate error ratio) result outside of the acceptance criteria of 1 for Radium-226 . Duplicate precision is demonstrated by acceptable relative percent difference (RPD), within the limit of 40%. The data have been reported with this narrative. SGWC-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24 (180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3), SGWC-13 (180-126090-4), (LCSD 160-524649/2-A) and (MB 160-524649/23-A)

Methods 903.0, 9315: Radium-226 Batch 524649
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-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24

Job ID: 180-125972-2 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

(180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3), SGWC-13 (180-126090-4), (LCS 160-524649/1-A), (LCSD 160-524649/2-A) and (MB 160-524649/23-A)

Method 9315: Radium-226 Batch 524659
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 (180-126090-5), SGWC-15 (180-126090-6), SGWC-16 (180-126090-7), SGWC-19 (180-126090-8), SGWC-20 (180-126090-9), EB-7 (180-126090-10), DUP-7 (180-126090-11), FB-8 (180-126090-12), DUP-8 (180-126090-13), SGWC-12 (180-126090-14), (LCS 160-524659/1-A), (LCSD 160-524659/2-A) and (MB 160-524659/23-A)

Methods 904.0, 9320: Radium 228 prep batch 160-524342
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-3 (180-126059-1), SGWA-5 (180-126059-2), SGWC-6 (180-126059-3), SGWC-7 (180-126059-4), SGWC-8 (180-126059-5), SGWC-17 (180-126059-6), SGWC-18 (180-126059-7), (LCS 160-524342/1-A) and (MB 160-524342/23-A)

Methods 904.0, 9320: Radium 228 prep batch 160-524081
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 (180-125972-1), SGWA-2 (180-125972-2), SGWA-4 (180-125972-3), SGWA-25 (180-125972-4), (LCS 160-524081/1-A) and (MB 160-524081/24-A)

Methods 904.0, 9320: Radium 228 prep batch 160-524267
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. EB-6 (180-126060-1), DUP-5 (180-126060-2), FB-5 (180-126060-3), FB-6 (180-126060-4), (LCS 160-524267/1-A), (MB 160-524267/23-A) and (500-204022-G-5-B DU)

Method 9320: Radium-228 Batch 524669
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 (180-126090-5), SGWC-15 (180-126090-6), SGWC-16 (180-126090-7), SGWC-19 (180-126090-8), SGWC-20 (180-126090-9), EB-7 (180-126090-10), DUP-7 (180-126090-11), FB-8 (180-126090-12), DUP-8 (180-126090-13), SGWC-12 (180-126090-14), (LCS 160-524669/1-A), (LCSD 160-524669/2-A) and (MB 160-524669/23-A)

Methods 904.0, 9320: Radium-228 prep batch 160-528274:
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-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24 (180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3), SGWC-13 (180-126090-4), (LCS 160-528274/1-A), (LCSD 160-528274/2-A) and (MB 160-528274/22-A)

Method PrecSep_0: Ra-228 Batch 160-524652:
Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24 (180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3) and SGWC-13 (180-126090-4). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Ra-228 Batch 160-524669:
Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-14 (180-126090-5), SGWC-15 (180-126090-6), SGWC-16 (180-126090-7), SGWC-19 (180-126090-8), SGWC-20 (180-126090-9), EB-7 (180-126090-10), DUP-7 (180-126090-11), FB-8 (180-126090-12), DUP-8 (180-126090-13) and SGWC-12 (180-126090-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Job ID: 180-125972-2 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Method PrecSep_0: Radium-228 Prep Batch 160-528274:
Insufficient sample volume was available to perform a sample duplicate for the following samples: SGWC-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24 (180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3) and SGWC-13 (180-126090-4). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Ra-226 Batch 160-524649:
Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-21 (180-126059-8), SGWC-22 (180-126059-9), SGWC-23 (180-126059-10), SGWA-24 (180-126059-11), EB-5 (180-126059-12), SGWC-9 (180-126090-1), SGWC-10 (180-126090-2), SGWC-11 (180-126090-3) and SGWC-13 (180-126090-4). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Ra-226 Batch 160-524659:
Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: SGWC-14 (180-126090-5), SGWC-15 (180-126090-6), SGWC-16 (180-126090-7), SGWC-19 (180-126090-8), SGWC-20 (180-126090-9), EB-7 (180-126090-10), DUP-7 (180-126090-11), FB-8 (180-126090-12), DUP-8 (180-126090-13) and SGWC-12 (180-126090-14). 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: Plant Scherer Ash Pond

Job ID: 180-125972-2

Qualifiers

Rad

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-125972-2

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	06-30-22
California	State	2886	06-30-21 *
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-22
HI - RadChem Recognition	State	n/a	06-30-22
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	06-30-22
Louisiana (DW)	State	LA011	12-31-21
Maryland	State	310	09-30-22
MI - RadChem Recognition	State	9005	06-30-22
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-22
New Jersey	NELAP	MO002	06-30-22
New York	NELAP	11616	04-01-22
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	03-01-22
South Carolina	State	85002001	06-30-22
Texas	NELAP	T104704193	07-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	08-01-22
Virginia	NELAP	10310	06-14-22
Washington	State	C592	08-30-22
West Virginia DEP	State	381	10-31-22

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

Sample Summary

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

Job ID: 180-125972-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125972-1	SGWA-1	Water	08/17/21 15:10	08/19/21 09:15
180-125972-2	SGWA-2	Water	08/17/21 16:10	08/19/21 09:15
180-125972-3	SGWA-4	Water	08/17/21 14:45	08/19/21 09:15
180-125972-4	SGWA-25	Water	08/17/21 16:13	08/19/21 09:15
180-126059-1	SGWA-3	Water	08/18/21 11:50	08/20/21 09:30
180-126059-2	SGWA-5	Water	08/18/21 10:55	08/20/21 09:30
180-126059-3	SGWC-6	Water	08/18/21 14:32	08/20/21 09:30
180-126059-4	SGWC-7	Water	08/18/21 16:00	08/20/21 09:30
180-126059-5	SGWC-8	Water	08/18/21 16:50	08/20/21 09:30
180-126059-6	SGWC-17	Water	08/18/21 16:45	08/20/21 09:30
180-126059-7	SGWC-18	Water	08/18/21 14:30	08/20/21 09:30
180-126059-8	SGWC-21	Water	08/18/21 15:30	08/20/21 09:30
180-126059-9	SGWC-22	Water	08/18/21 14:15	08/20/21 09:30
180-126059-10	SGWC-23	Water	08/18/21 11:30	08/20/21 09:30
180-126059-11	SGWA-24	Water	08/18/21 10:35	08/20/21 09:30
180-126059-12	EB-5	Water	08/18/21 14:30	08/20/21 09:30
180-126060-1	EB-6	Water	08/18/21 17:00	08/20/21 09:30
180-126060-2	DUP-5	Water	08/18/21 00:00	08/20/21 09:30
180-126060-3	FB-5	Water	08/18/21 11:15	08/20/21 09:30
180-126060-4	FB-6	Water	08/18/21 15:25	08/20/21 09:30
180-126090-1	SGWC-9	Water	08/19/21 10:22	08/21/21 09:30
180-126090-2	SGWC-10	Water	08/19/21 10:20	08/21/21 09:30
180-126090-3	SGWC-11	Water	08/19/21 12:02	08/21/21 09:30
180-126090-4	SGWC-13	Water	08/19/21 10:15	08/21/21 09:30
180-126090-5	SGWC-14	Water	08/19/21 11:25	08/21/21 09:30
180-126090-6	SGWC-15	Water	08/19/21 13:45	08/21/21 09:30
180-126090-7	SGWC-16	Water	08/19/21 10:10	08/21/21 09:30
180-126090-8	SGWC-19	Water	08/19/21 13:30	08/21/21 09:30
180-126090-9	SGWC-20	Water	08/19/21 11:55	08/21/21 09:30
180-126090-10	EB-7	Water	08/19/21 10:30	08/21/21 09:30
180-126090-11	DUP-7	Water	08/19/21 00:00	08/21/21 09:30
180-126090-12	FB-8	Water	08/19/21 12:32	08/21/21 09:30
180-126090-13	DUP-8	Water	08/19/21 00:00	08/21/21 09:30
180-126090-14	SGWC-12	Water	08/20/21 09:30	08/21/21 09:30

Method Summary

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

Job ID: 180-125972-2

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: 180-125972-2

Client Sample ID: SGWA-1
Date Collected: 08/17/21 15:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-1
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			1000.41 mL	1.0 g	524072	08/25/21 12:41	MJ	TAL SL
Total/NA	Analysis	9315		1			527397	09/16/21 21:20	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.41 mL	1.0 g	524081	08/25/21 13:37	MJ	TAL SL
Total/NA	Analysis	9320		1			527379	09/16/21 11:55	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530589	10/08/21 16:53	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-2
Date Collected: 08/17/21 16:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-2
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			999.95 mL	1.0 g	524072	08/25/21 12:41	MJ	TAL SL
Total/NA	Analysis	9315		1			527397	09/16/21 21:21	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.95 mL	1.0 g	524081	08/25/21 13:37	MJ	TAL SL
Total/NA	Analysis	9320		1			527379	09/16/21 11:55	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530589	10/08/21 16:53	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-4
Date Collected: 08/17/21 14:45
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-3
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			1000.97 mL	1.0 g	524072	08/25/21 12:41	MJ	TAL SL
Total/NA	Analysis	9315		1			527397	09/16/21 21:21	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.97 mL	1.0 g	524081	08/25/21 13:37	MJ	TAL SL
Total/NA	Analysis	9320		1			527379	09/16/21 11:56	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530589	10/08/21 16:53	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-25
Date Collected: 08/17/21 16:13
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-4
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			999.71 mL	1.0 g	524072	08/25/21 12:41	MJ	TAL SL
Total/NA	Analysis	9315		1			527379	09/16/21 21:16	ANW	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWA-25
Date Collected: 08/17/21 16:13
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-4
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			999.71 mL	1.0 g	524081	08/25/21 13:37	MJ	TAL SL
Total/NA	Analysis	9320		1			527379	09/16/21 11:56	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530589	10/08/21 16:53	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-3
Date Collected: 08/18/21 11:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-1
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			999.66 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			528286	09/21/21 13:39	SCB	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.66 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:19	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-5
Date Collected: 08/18/21 10:55
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-2
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			1000.67 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			528286	09/21/21 13:39	SCB	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.67 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:19	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-6
Date Collected: 08/18/21 14:32
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-3
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			1000.87 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 15:26	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.87 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:19	ANW	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-6
Date Collected: 08/18/21 14:32
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-3
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	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL

Client Sample ID: SGWC-7
Date Collected: 08/18/21 16:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-4
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			999.51 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 15:26	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.51 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:19	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-8
Date Collected: 08/18/21 16:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-5
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			999.75 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 15:26	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.75 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:20	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-17
Date Collected: 08/18/21 16:45
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-6
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			1000.20 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 15:26	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.20 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527396	09/16/21 12:15	ANW	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-18
Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-7
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			749.63 mL	1.0 g	524328	08/27/21 10:49	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 15:26	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			749.63 mL	1.0 g	524342	08/27/21 12:08	MJ	TAL SL
Total/NA	Analysis	9320		1			527397	09/16/21 12:20	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			528682	09/23/21 16:11	SCB	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-21
Date Collected: 08/18/21 15:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-8
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			1000.62 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 08:38	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.00 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:33	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-22
Date Collected: 08/18/21 14:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-9
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			999.72 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 08:38	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.68 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:33	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-23
Date Collected: 08/18/21 11:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-10
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			1000.73 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 08:38	FLC	TAL SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-23
Date Collected: 08/18/21 11:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-10
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			1000.26 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:33	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-24
Date Collected: 08/18/21 10:35
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-11
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			999.36 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 08:42	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.05 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:34	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-5
Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-12
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			1000.90 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 08:42	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.62 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:35	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-6
Date Collected: 08/18/21 17:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-1
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			999.16 mL	1.0 g	524265	08/26/21 15:39	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 11:27	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.16 mL	1.0 g	524267	08/26/21 16:14	MJ	TAL SL
Total/NA	Analysis	9320		1			527565	09/17/21 13:22	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: EB-6
Date Collected: 08/18/21 17:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-1
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	Ra226_Ra228		1			530590	10/08/21 16:54	EMH	TAL SL

Client Sample ID: DUP-5
Date Collected: 08/18/21 00:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-2
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			1000.11 mL	1.0 g	524265	08/26/21 15:39	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 11:27	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.11 mL	1.0 g	524267	08/26/21 16:14	MJ	TAL SL
Total/NA	Analysis	9320		1			527565	09/17/21 13:22	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530590	10/08/21 16:54	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-5
Date Collected: 08/18/21 11:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-3
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			1000.43 mL	1.0 g	524265	08/26/21 15:39	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 12:09	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.43 mL	1.0 g	524267	08/26/21 16:14	MJ	TAL SL
Total/NA	Analysis	9320		1			527565	09/17/21 13:22	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530590	10/08/21 16:54	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-6
Date Collected: 08/18/21 15:25
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-4
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			999.30 mL	1.0 g	524265	08/26/21 15:39	MJ	TAL SL
Total/NA	Analysis	9315		1			527825	09/21/21 12:09	SCB	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.30 mL	1.0 g	524267	08/26/21 16:14	MJ	TAL SL
Total/NA	Analysis	9320		1	1.0 mL	1.0 mL	527565	09/17/21 13:22	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530590	10/08/21 16:54	EMH	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-9
Date Collected: 08/19/21 10:22
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-1
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			999.99 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 08:42	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.74 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:35	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-10
Date Collected: 08/19/21 10:20
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-2
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			1000.51 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 08:43	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.62 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529144	09/28/21 19:35	ANW	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-11
Date Collected: 08/19/21 12:02
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-3
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			1000.19 mL	1.0 g	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 08:43	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.10 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529158	09/28/21 19:28	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-13
Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4
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	524649	08/30/21 09:41	MJ	TAL SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	528313	09/22/21 08:43	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-13
Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4
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			1000.36 mL	1.0 g	528274	09/21/21 14:27	BMP	TAL SL
Total/NA	Analysis	9320		1			529158	09/28/21 19:28	ANW	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530591	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-14
Date Collected: 08/19/21 11:25
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-5
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			999.62 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 16:52	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.62 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:03	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-15
Date Collected: 08/19/21 13:45
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-6
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			1000.21 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 16:54	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.21 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-16
Date Collected: 08/19/21 10:10
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-7
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			1000.16 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 16:54	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.16 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-16
Date Collected: 08/19/21 10:10
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-7
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			530592	10/08/21 16:55	EMH	TAL SL

Client Sample ID: SGWC-19
Date Collected: 08/19/21 13:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-8
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			1000.73 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 16:54	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.73 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-20
Date Collected: 08/19/21 11:55
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-9
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			1000.09 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 20:10	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.09 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-7
Date Collected: 08/19/21 10:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-10
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			999.56 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 20:10	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.56 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: DUP-7

Lab Sample ID: 180-126090-11

Date Collected: 08/19/21 00:00
Matrix: Water
Date Received: 08/21/21 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			999.96 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 20:11	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.96 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:04	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-8

Lab Sample ID: 180-126090-12

Date Collected: 08/19/21 12:32
Matrix: Water
Date Received: 08/21/21 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			999.78 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528321	09/22/21 20:11	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.78 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:05	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-8

Lab Sample ID: 180-126090-13

Date Collected: 08/19/21 00:00
Matrix: Water
Date Received: 08/21/21 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			1000.39 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 20:13	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.39 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:05	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-12

Lab Sample ID: 180-126090-14

Date Collected: 08/20/21 09:30
Matrix: Water
Date Received: 08/21/21 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			1000.63 mL	1.0 g	524659	08/30/21 12:33	MJ	TAL SL
Total/NA	Analysis	9315		1			528313	09/22/21 20:14	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-125972-2

Client Sample ID: SGWC-12

Date Collected: 08/20/21 09:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-14

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			1000.63 mL	1.0 g	524669	08/30/21 13:46	MJ	TAL SL
Total/NA	Analysis	9320		1			528313	09/22/21 14:05	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			530592	10/08/21 16:55	EMH	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

BMP = Bailey Pinette
MJ = Mary Johns

Batch Type: Analysis

ANW = Aamber Woods
EMH = Elizabeth Hoerchler
FLC = Fernando Cruz
SCB = Sarah Bernsen

Client Sample ID: SGWA-1

Date Collected: 08/17/21 15:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-1

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	0.159	U	0.229	0.230	1.00	0.389	pCi/L	08/25/21 12:41	09/16/21 21:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*40 - 110*	*08/25/21 12:41*	*09/16/21 21:20*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.492**		0.274	0.277	1.00	0.408	pCi/L	08/25/21 13:37	09/16/21 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:55*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:55*	*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	**0.651**		0.357	0.360	5.00	0.408	pCi/L		10/08/21 16:53	1

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

Job ID: 180-125972-2

Client Sample ID: SGWA-2

Date Collected: 08/17/21 16:10
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-2

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	0.133	U	0.207	0.207	1.00	0.355	pCi/L	08/25/21 12:41	09/16/21 21:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*40 - 110*	*08/25/21 12:41*	*09/16/21 21:21*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0585	U	0.278	0.278	1.00	0.485	pCi/L	08/25/21 13:37	09/16/21 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:55*	*1*
Y Carrier	*83.7*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:55*	*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	0.192	U	0.347	0.347	5.00	0.485	pCi/L		10/08/21 16:53	1

Client Sample ID: SGWA-4

Date Collected: 08/17/21 14:45
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-3

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	0.0552	U	0.224	0.224	1.00	0.420	pCi/L	08/25/21 12:41	09/16/21 21:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.9*		*40 - 110*	*08/25/21 12:41*	*09/16/21 21:21*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.49**		0.427	0.448	1.00	0.551	pCi/L	08/25/21 13:37	09/16/21 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.9*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:56*	*1*
Y Carrier	*84.1*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:56*	*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	**1.54**		0.482	0.501	5.00	0.551	pCi/L		10/08/21 16:53	1

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

Job ID: 180-125972-2

Client Sample ID: SGWA-25

Date Collected: 08/17/21 16:13
Date Received: 08/19/21 09:15

Lab Sample ID: 180-125972-4

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	0.00813	U	0.154	0.154	1.00	0.310	pCi/L	08/25/21 12:41	09/16/21 21:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*40 - 110*	*08/25/21 12:41*	*09/16/21 21:16*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.220	U	0.239	0.240	1.00	0.392	pCi/L	08/25/21 13:37	09/16/21 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:56*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/25/21 13:37*	*09/16/21 11:56*	*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	0.228	U	0.284	0.285	5.00	0.392	pCi/L		10/08/21 16:53	1

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

Job ID: 180-125972-2

Client Sample ID: SGWA-3

Date Collected: 08/18/21 11:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-1

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	-0.0259	U	0.0684	0.0684	1.00	0.144	pCi/L	08/27/21 10:49	09/21/21 13:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*08/27/21 10:49*	*09/21/21 13:39*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.253	U	0.223	0.225	1.00	0.357	pCi/L	08/27/21 12:08	09/16/21 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:19*	*1*
Y Carrier	*86.0*		*40 - 110*	*08/27/21 12:08*	*09/16/21 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	0.228	U	0.233	0.235	5.00	0.357	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWA-5

Date Collected: 08/18/21 10:55
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-2

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	0.0906	U	0.0955	0.0959	1.00	0.154	pCi/L	08/27/21 10:49	09/21/21 13:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*08/27/21 10:49*	*09/21/21 13:39*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.151	U	0.256	0.257	1.00	0.433	pCi/L	08/27/21 12:08	09/16/21 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:19*	*1*
Y Carrier	*75.9*		*40 - 110*	*08/27/21 12:08*	*09/16/21 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	0.242	U	0.273	0.274	5.00	0.433	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-6

Date Collected: 08/18/21 14:32
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-3

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	0.0946	U	0.0954	0.0957	1.00	0.152	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*08/27/21 10:49*	*09/21/21 15:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.128	U	0.220	0.220	1.00	0.415	pCi/L	08/27/21 12:08	09/16/21 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:19*	*1*
Y Carrier	*85.6*		*40 - 110*	*08/27/21 12:08*	*09/16/21 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	-0.0332	U	0.240	0.240	5.00	0.415	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-7

Date Collected: 08/18/21 16:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-4

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	0.0224	U	0.0955	0.0956	1.00	0.179	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*40 - 110*	*08/27/21 10:49*	*09/21/21 15:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.703**		0.417	0.422	1.00	0.632	pCi/L	08/27/21 12:08	09/16/21 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:19*	*1*
Y Carrier	*59.1*		*40 - 110*	*08/27/21 12:08*	*09/16/21 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	**0.726**		0.428	0.433	5.00	0.632	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-8

Date Collected: 08/18/21 16:50
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-5

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	0.548		0.173	0.180	1.00	0.181	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*40 - 110*	*08/27/21 10:49*	*09/21/21 15:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.13		0.339	0.354	1.00	0.432	pCi/L	08/27/21 12:08	09/16/21 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:20*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:20*	*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	1.68		0.381	0.397	5.00	0.432	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-17

Date Collected: 08/18/21 16:45
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-6

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	0.00294	U	0.0896	0.0896	1.00	0.176	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*40 - 110*	*08/27/21 10:49*	*09/21/21 15:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.127	U	0.352	0.352	1.00	0.604	pCi/L	08/27/21 12:08	09/16/21 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:15*	*1*
Y Carrier	*84.1*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:15*	*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	0.130	U	0.363	0.363	5.00	0.604	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-18

Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-7

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	0.00326	U	0.102	0.102	1.00	0.199	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*08/27/21 10:49*	*09/21/21 15:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.274	U	0.269	0.270	1.00	0.435	pCi/L	08/27/21 12:08	09/16/21 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:20*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/27/21 12:08*	*09/16/21 12:20*	*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	0.277	U	0.288	0.289	5.00	0.435	pCi/L		09/23/21 16:11	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-21

Date Collected: 08/18/21 15:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-8

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	0.145	U	0.126	0.126	1.00	0.194	pCi/L	08/30/21 09:41	09/22/21 08:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.360	U	0.260	0.262	1.00	0.405	pCi/L	09/21/21 14:27	09/28/21 19:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*1*
Y Carrier	*84.9*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*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	**0.505**		0.289	0.291	5.00	0.405	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-22

Date Collected: 08/18/21 14:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-9

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	-0.0536	U	0.0895	0.0896	1.00	0.195	pCi/L	08/30/21 09:41	09/22/21 08:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0796	U	0.242	0.242	1.00	0.422	pCi/L	09/21/21 14:27	09/28/21 19:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*1*
Y Carrier	*85.2*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*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	0.0260	U	0.258	0.258	5.00	0.422	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-23

Date Collected: 08/18/21 11:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-10

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	0.169	U	0.133	0.134	1.00	0.202	pCi/L	08/30/21 09:41	09/22/21 08:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.434	U	0.352	0.355	1.00	0.562	pCi/L	09/21/21 14:27	09/28/21 19:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.8*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*1*
Y Carrier	*86.4*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:33*	*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	**0.603**		0.376	0.379	5.00	0.562	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWA-24

Date Collected: 08/18/21 10:35
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-11

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	-0.00619	U	0.0831	0.0831	1.00	0.165	pCi/L	08/30/21 09:41	09/22/21 08:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:42*	*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	0.290	0.290	1.00	0.489	pCi/L	09/21/21 14:27	09/28/21 19:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:34*	*1*
Y Carrier	*85.6*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:34*	*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	0.160	U	0.302	0.302	5.00	0.489	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: EB-5

Date Collected: 08/18/21 14:30
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126059-12

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	0.0104	U	0.0886	0.0886	1.00	0.168	pCi/L	08/30/21 09:41	09/22/21 08:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:42*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.532**		0.277	0.281	1.00	0.409	pCi/L	09/21/21 14:27	09/28/21 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*1*
Y Carrier	*87.1*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*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	**0.542**		0.291	0.295	5.00	0.409	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: EB-6

Date Collected: 08/18/21 17:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-1

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	0.0371	U	0.110	0.110	1.00	0.201	pCi/L	08/26/21 15:39	09/21/21 11:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*40 - 110*	*08/26/21 15:39*	*09/21/21 11:27*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.280	U	0.360	0.361	1.00	0.597	pCi/L	08/26/21 16:14	09/17/21 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*1*
Y Carrier	*83.7*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*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	0.317	U	0.376	0.377	5.00	0.597	pCi/L		10/08/21 16:54	1

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

Job ID: 180-125972-2

Client Sample ID: DUP-5

Date Collected: 08/18/21 00:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-2

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	-0.0593	U	0.0832	0.0834	1.00	0.191	pCi/L	08/26/21 15:39	09/21/21 11:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*40 - 110*	*08/26/21 15:39*	*09/21/21 11:27*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.273	U	0.299	0.300	1.00	0.491	pCi/L	08/26/21 16:14	09/17/21 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*1*
Y Carrier	*84.1*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*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	0.213	U	0.310	0.311	5.00	0.491	pCi/L		10/08/21 16:54	1

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

Job ID: 180-125972-2

Client Sample ID: FB-5

Date Collected: 08/18/21 11:15
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-3

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	0.0327	U	0.136	0.136	1.00	0.253	pCi/L	08/26/21 15:39	09/21/21 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.9*		*40 - 110*	*08/26/21 15:39*	*09/21/21 12:09*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.138	U	0.341	0.341	1.00	0.587	pCi/L	08/26/21 16:14	09/17/21 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.9*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*1*
Y Carrier	*84.9*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*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	0.171	U	0.367	0.367	5.00	0.587	pCi/L		10/08/21 16:54	1

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

Job ID: 180-125972-2

Client Sample ID: FB-6

Date Collected: 08/18/21 15:25
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126060-4

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	0.0921	U	0.125	0.126	1.00	0.211	pCi/L	08/26/21 15:39	09/21/21 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*40 - 110*	*08/26/21 15:39*	*09/21/21 12:09*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.245	U	0.264	0.265	1.00	0.431	pCi/L	08/26/21 16:14	09/17/21 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*1*
Y Carrier	*85.6*		*40 - 110*	*08/26/21 16:14*	*09/17/21 13:22*	*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	0.337	U	0.292	0.293	5.00	0.431	pCi/L		10/08/21 16:54	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-9

Date Collected: 08/19/21 10:22
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-1

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	0.0895	U	0.114	0.115	1.00	0.190	pCi/L	08/30/21 09:41	09/22/21 08:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:42*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0555	U	0.239	0.239	1.00	0.419	pCi/L	09/21/21 14:27	09/28/21 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*1*
Y Carrier	*85.6*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*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	0.145	U	0.265	0.265	5.00	0.419	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-10

Date Collected: 08/19/21 10:20
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-2

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	0.00745	U	0.0827	0.0827	1.00	0.161	pCi/L	08/30/21 09:41	09/22/21 08:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0948	U	0.262	0.262	1.00	0.453	pCi/L	09/21/21 14:27	09/28/21 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*1*
Y Carrier	*85.2*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:35*	*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	0.102	U	0.275	0.275	5.00	0.453	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-11

Date Collected: 08/19/21 12:02
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-3

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	0.0982	U	0.100	0.101	1.00	0.161	pCi/L	08/30/21 09:41	09/22/21 08:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.657**		0.295	0.301	1.00	0.423	pCi/L	09/21/21 14:27	09/28/21 19:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:28*	*1*
Y Carrier	*87.1*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:28*	*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	**0.755**		0.311	0.317	5.00	0.423	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-13

Date Collected: 08/19/21 10:15
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-4

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	0.0805	U	0.126	0.126	1.00	0.215	pCi/L	08/30/21 09:41	09/22/21 08:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.8*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.147	U	0.259	0.259	1.00	0.439	pCi/L	09/21/21 14:27	09/28/21 19:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:28*	*1*
Y Carrier	*84.9*		*40 - 110*	*09/21/21 14:27*	*09/28/21 19:28*	*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	0.228	U	0.288	0.288	5.00	0.439	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-14

Date Collected: 08/19/21 11:25
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-5

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	-0.0330	U	0.222	0.222	1.00	0.448	pCi/L	08/30/21 12:33	09/22/21 16:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*40 - 110*	*08/30/21 12:33*	*09/22/21 16:52*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0476	U	0.315	0.315	1.00	0.565	pCi/L	08/30/21 13:46	09/22/21 14:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:03*	*1*
Y Carrier	*84.5*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:03*	*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	-0.0806	U	0.385	0.385	5.00	0.565	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-15

Date Collected: 08/19/21 13:45
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-6

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	0.178	U	0.263	0.263	1.00	0.447	pCi/L	08/30/21 12:33	09/22/21 16:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*40 - 110*	*08/30/21 12:33*	*09/22/21 16:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.340	U	0.284	0.285	1.00	0.453	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*84.9*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	**0.518**		0.387	0.388	5.00	0.453	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-16

Date Collected: 08/19/21 10:10
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-7

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	0.0248	U	0.187	0.187	1.00	0.371	pCi/L	08/30/21 12:33	09/22/21 16:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*40 - 110*	*08/30/21 12:33*	*09/22/21 16:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0122	U	0.266	0.266	1.00	0.473	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*87.5*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	0.0370	U	0.325	0.325	5.00	0.473	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-19

Date Collected: 08/19/21 13:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-8

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	0.121	U	0.290	0.290	1.00	0.519	pCi/L	08/30/21 12:33	09/22/21 16:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*40 - 110*	*08/30/21 12:33*	*09/22/21 16:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.172	U	0.247	0.247	1.00	0.469	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*87.1*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	-0.0514	U	0.381	0.381	5.00	0.519	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-20

Date Collected: 08/19/21 11:55
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-9

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	-0.0328	U	0.173	0.173	1.00	0.363	pCi/L	08/30/21 12:33	09/22/21 20:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:10*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.177	U	0.217	0.218	1.00	0.423	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*83.7*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	-0.210	U	0.278	0.278	5.00	0.423	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: EB-7

Date Collected: 08/19/21 10:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-10

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	0.00781	U	0.244	0.244	1.00	0.477	pCi/L	08/30/21 12:33	09/22/21 20:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.2*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:10*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0922	U	0.282	0.283	1.00	0.521	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.2*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	-0.0844	U	0.373	0.374	5.00	0.521	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: DUP-7

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-11

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	0.111	U	0.189	0.189	1.00	0.331	pCi/L	08/30/21 12:33	09/22/21 20:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.115	U	0.240	0.241	1.00	0.450	pCi/L	08/30/21 13:46	09/22/21 14:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*1*
Y Carrier	*84.1*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:04*	*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	-0.00435	U	0.305	0.306	5.00	0.450	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: FB-8

Date Collected: 08/19/21 12:32
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-12

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	0.0832	U	0.253	0.253	1.00	0.460	pCi/L	08/30/21 12:33	09/22/21 20:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0607	U	0.237	0.237	1.00	0.435	pCi/L	08/30/21 13:46	09/22/21 14:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*1*
Y Carrier	*85.2*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*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	0.0225	U	0.347	0.347	5.00	0.460	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: DUP-8

Date Collected: 08/19/21 00:00
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-13

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	0.364	U	0.288	0.290	1.00	0.437	pCi/L	08/30/21 12:33	09/22/21 20:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:13*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.309	U	0.299	0.300	1.00	0.485	pCi/L	08/30/21 13:46	09/22/21 14:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*1*
Y Carrier	*87.5*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*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	**0.673**		0.415	0.417	5.00	0.485	pCi/L		10/08/21 16:55	1

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

Job ID: 180-125972-2

Client Sample ID: SGWC-12

Date Collected: 08/20/21 09:30
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126090-14

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	-0.135	U	0.213	0.214	1.00	0.468	pCi/L	08/30/21 12:33	09/22/21 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*40 - 110*	*08/30/21 12:33*	*09/22/21 20:14*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.146	U	0.287	0.287	1.00	0.491	pCi/L	08/30/21 13:46	09/22/21 14:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*1*
Y Carrier	*74.0*		*40 - 110*	*08/30/21 13:46*	*09/22/21 14:05*	*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	0.0109	U	0.357	0.358	5.00	0.491	pCi/L		10/08/21 16:55	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-524072/24-A
Matrix: Water
Analysis Batch: 527397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524072

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08951	U	0.238	0.238	1.00	0.429	pCi/L	08/25/21 12:41	09/16/21 23:02	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*40 - 110*	*08/25/21 12:41*	*09/16/21 23:02*	*1*

Lab Sample ID: LCS 160-524072/1-A
Matrix: Water
Analysis Batch: 527396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524072

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.32		1.46	1.00	0.372	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*77.2*		*40 - 110*

Lab Sample ID: 410-51803-D-1-A MS
Matrix: Water
Analysis Batch: 527379

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 524072

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226	0.0547	U	11.3	10.25		1.30	1.00	0.342	pCi/L	90	75 - 138		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*92.1*		*40 - 110*

Lab Sample ID: 410-51803-E-1-A MSD
Matrix: Water
Analysis Batch: 527379

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 524072

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226	0.0547	U	11.3	10.90		1.36	1.00	0.312	pCi/L	96	75 - 138	0.24	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*94.9*		*40 - 110*

Lab Sample ID: MB 160-524265/23-A
Matrix: Water
Analysis Batch: 528286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524265

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06000	U	0.0776	0.0778	1.00	0.178	pCi/L	08/26/21 15:39	09/21/21 11:31	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-524265/23-A
Matrix: Water
Analysis Batch: 528286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524265

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110	08/26/21 15:39	09/21/21 11:31	1

Lab Sample ID: LCS 160-524265/1-A
Matrix: Water
Analysis Batch: 527814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524265

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.98		1.21	1.00	0.169	pCi/L	97	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.1		40 - 110

Lab Sample ID: 500-204022-G-5-A DU
Matrix: Water
Analysis Batch: 527814

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 524265

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.254			0.2175		0.143	1.00	0.200	pCi/L			0.12	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	88.5		40 - 110

Lab Sample ID: MB 160-524328/23-A
Matrix: Water
Analysis Batch: 527825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524328

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1190	U	0.126	0.126	1.00	0.203	pCi/L	08/27/21 10:49	09/21/21 15:26	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		40 - 110	08/27/21 10:49	09/21/21 15:26	1

Lab Sample ID: LCS 160-524328/1-A
Matrix: Water
Analysis Batch: 528287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524328

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.81		1.29	1.00	0.202	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	74.7		40 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 500-204027-D-4-A DU
Matrix: Water
Analysis Batch: 528287

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 524328

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.158			0.07604	U	0.108	1.00	0.183	pCi/L			0.38	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*94.9*		*40 - 110*

Lab Sample ID: MB 160-524649/23-A
Matrix: Water
Analysis Batch: 528313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524649

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02719	U	0.0926	0.0926	1.00	0.170	pCi/L	08/30/21 09:41	09/22/21 08:43	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*40 - 110*	*08/30/21 09:41*	*09/22/21 08:43*	*1*

Lab Sample ID: LCS 160-524649/1-A
Matrix: Water
Analysis Batch: 528321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524649

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	7.428	*	0.877	1.00	0.176	pCi/L	66	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*76.7*		*40 - 110*

Lab Sample ID: LCSD 160-524649/2-A
Matrix: Water
Analysis Batch: 528321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 524649

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	9.590	*	1.08	1.00	0.194	pCi/L	85	75 - 125	1.11	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*79.0*		*40 - 110*

Lab Sample ID: MB 160-524659/23-A
Matrix: Water
Analysis Batch: 528321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524659

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1098	U	0.243	0.243	1.00	0.433	pCi/L	08/30/21 12:33	09/22/21 20:19	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-524659/23-A
Matrix: Water
Analysis Batch: 528321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524659

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110	08/30/21 12:33	09/22/21 20:19	1

Lab Sample ID: LCS 160-524659/1-A
Matrix: Water
Analysis Batch: 528478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524659

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.76		1.42	1.00	0.396	pCi/L	95	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.1		40 - 110

Lab Sample ID: LCSD 160-524659/2-A
Matrix: Water
Analysis Batch: 528478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 524659

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	10.50		1.41	1.00	0.378	pCi/L	93	75 - 125	0.09	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	82.1		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-524081/24-A
Matrix: Water
Analysis Batch: 527396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524081

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5380		0.312	0.316	1.00	0.473	pCi/L	08/25/21 13:37	09/16/21 12:06	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		40 - 110	08/25/21 13:37	09/16/21 12:06	1
Y Carrier	86.7		40 - 110	08/25/21 13:37	09/16/21 12:06	1

Lab Sample ID: LCS 160-524081/1-A
Matrix: Water
Analysis Batch: 527452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524081

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.33	7.639		1.01	1.00	0.555	pCi/L	82	75 - 125		

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-524081/1-A
Matrix: Water
Analysis Batch: 527452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524081

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	77.2		40 - 110
Y Carrier	82.2		40 - 110

Lab Sample ID: 410-51803-D-1-B MS
Matrix: Water
Analysis Batch: 527379

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 524081

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228	0.210	U	9.33	8.913		1.07	1.00	0.438	pCi/L	93	45 - 150		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	92.1		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: 410-51803-E-1-B MSD
Matrix: Water
Analysis Batch: 527379

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 524081

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228	0.210	U	9.33	8.912		1.06	1.00	0.388	pCi/L	93	45 - 150	0	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	94.9		40 - 110
Y Carrier	84.9		40 - 110

Lab Sample ID: MB 160-524267/23-A
Matrix: Water
Analysis Batch: 527619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524267

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.05410	U	0.223	0.223	1.00	0.395	pCi/L	08/26/21 16:14	09/17/21 13:27	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110	08/26/21 16:14	09/17/21 13:27	1
Y Carrier	87.5		40 - 110	08/26/21 16:14	09/17/21 13:27	1

Lab Sample ID: LCS 160-524267/1-A
Matrix: Water
Analysis Batch: 527466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524267

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.32	9.141		1.11	1.00	0.418	pCi/L	98	75 - 125		

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-524267/1-A
Matrix: Water
Analysis Batch: 527466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524267

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.1		40 - 110
Y Carrier	81.1		40 - 110

Lab Sample ID: 500-204022-G-5-B DU
Matrix: Water
Analysis Batch: 527466

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 524267

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.544			0.03687	U	0.252	1.00	0.448	pCi/L			0.91	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	88.5		40 - 110
Y Carrier	84.1		40 - 110

Lab Sample ID: MB 160-524342/23-A
Matrix: Water
Analysis Batch: 527397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524342

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1554	U	0.251	0.251	1.00	0.424	pCi/L	08/27/21 12:08	09/16/21 12:20	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		40 - 110	08/27/21 12:08	09/16/21 12:20	1
Y Carrier	85.2		40 - 110	08/27/21 12:08	09/16/21 12:20	1

Lab Sample ID: LCS 160-524342/1-A
Matrix: Water
Analysis Batch: 527396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524342

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.33	9.679		1.22	1.00	0.510	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	74.7		40 - 110
Y Carrier	79.3		40 - 110

Lab Sample ID: 500-204027-D-4-B DU
Matrix: Water
Analysis Batch: 527396

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 524342

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.365	U		0.4157		0.273	1.00	0.415	pCi/L			0.09	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-204027-D-4-B DU
Matrix: Water
Analysis Batch: 527396

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 524342

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	94.9		40 - 110
Y Carrier	82.2		40 - 110

Lab Sample ID: MB 160-524669/23-A
Matrix: Water
Analysis Batch: 528321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524669

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05024	U	0.282	0.282	1.00	0.507	pCi/L	08/30/21 13:46	09/22/21 14:12	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110	08/30/21 13:46	09/22/21 14:12	1
Y Carrier	87.9		40 - 110	08/30/21 13:46	09/22/21 14:12	1

Lab Sample ID: LCS 160-524669/1-A
Matrix: Water
Analysis Batch: 528313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524669

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.31	9.135		1.13	1.00	0.530	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.1		40 - 110
Y Carrier	83.0		40 - 110

Lab Sample ID: LCSD 160-524669/2-A
Matrix: Water
Analysis Batch: 528313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 524669

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			9.31	9.261		1.13	1.00	0.499	pCi/L	99	75 - 125	0.06	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	82.1		40 - 110
Y Carrier	84.9		40 - 110

Lab Sample ID: MB 160-528274/22-A
Matrix: Water
Analysis Batch: 529158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528274

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1042	U	0.256	0.256	1.00	0.441	pCi/L	09/21/21 14:27	09/28/21 19:28	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-528274/22-A
Matrix: Water
Analysis Batch: 529158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528274

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		40 - 110	09/21/21 14:27	09/28/21 19:28	1
Y Carrier	90.5		40 - 110	09/21/21 14:27	09/28/21 19:28	1

Lab Sample ID: LCS 160-528274/1-A
Matrix: Water
Analysis Batch: 529143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528274

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.29	11.04		1.35	1.00	0.578	pCi/L	119	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	67.6		40 - 110
Y Carrier	83.7		40 - 110

Lab Sample ID: LCSD 160-528274/2-A
Matrix: Water
Analysis Batch: 529143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528274

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			9.29	9.264		1.13	1.00	0.453	pCi/L	100	75 - 125	0.72	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	78.9		40 - 110
Y Carrier	84.1		40 - 110

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Prep Batch: 524072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	PrecSep-21	
180-125972-2	SGWA-2	Total/NA	Water	PrecSep-21	
180-125972-3	SGWA-4	Total/NA	Water	PrecSep-21	
180-125972-4	SGWA-25	Total/NA	Water	PrecSep-21	
MB 160-524072/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-524072/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
410-51803-D-1-A MS	Matrix Spike	Total/NA	Water	PrecSep-21	
410-51803-E-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 524081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125972-1	SGWA-1	Total/NA	Water	PrecSep_0	
180-125972-2	SGWA-2	Total/NA	Water	PrecSep_0	
180-125972-3	SGWA-4	Total/NA	Water	PrecSep_0	
180-125972-4	SGWA-25	Total/NA	Water	PrecSep_0	
MB 160-524081/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-524081/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
410-51803-D-1-B MS	Matrix Spike	Total/NA	Water	PrecSep_0	
410-51803-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 524265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126060-1	EB-6	Total/NA	Water	PrecSep-21	
180-126060-2	DUP-5	Total/NA	Water	PrecSep-21	
180-126060-3	FB-5	Total/NA	Water	PrecSep-21	
180-126060-4	FB-6	Total/NA	Water	PrecSep-21	
MB 160-524265/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-524265/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-204022-G-5-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 524267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126060-1	EB-6	Total/NA	Water	PrecSep_0	
180-126060-2	DUP-5	Total/NA	Water	PrecSep_0	
180-126060-3	FB-5	Total/NA	Water	PrecSep_0	
180-126060-4	FB-6	Total/NA	Water	PrecSep_0	
MB 160-524267/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-524267/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-204022-G-5-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 524328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	PrecSep-21	
180-126059-2	SGWA-5	Total/NA	Water	PrecSep-21	
180-126059-3	SGWC-6	Total/NA	Water	PrecSep-21	
180-126059-4	SGWC-7	Total/NA	Water	PrecSep-21	
180-126059-5	SGWC-8	Total/NA	Water	PrecSep-21	
180-126059-6	SGWC-17	Total/NA	Water	PrecSep-21	
180-126059-7	SGWC-18	Total/NA	Water	PrecSep-21	
MB 160-524328/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-524328/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 524328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204027-D-4-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 524342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-1	SGWA-3	Total/NA	Water	PrecSep_0	
180-126059-2	SGWA-5	Total/NA	Water	PrecSep_0	
180-126059-3	SGWC-6	Total/NA	Water	PrecSep_0	
180-126059-4	SGWC-7	Total/NA	Water	PrecSep_0	
180-126059-5	SGWC-8	Total/NA	Water	PrecSep_0	
180-126059-6	SGWC-17	Total/NA	Water	PrecSep_0	
180-126059-7	SGWC-18	Total/NA	Water	PrecSep_0	
MB 160-524342/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-524342/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-204027-D-4-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 524649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-8	SGWC-21	Total/NA	Water	PrecSep-21	
180-126059-9	SGWC-22	Total/NA	Water	PrecSep-21	
180-126059-10	SGWC-23	Total/NA	Water	PrecSep-21	
180-126059-11	SGWA-24	Total/NA	Water	PrecSep-21	
180-126059-12	EB-5	Total/NA	Water	PrecSep-21	
180-126090-1	SGWC-9	Total/NA	Water	PrecSep-21	
180-126090-2	SGWC-10	Total/NA	Water	PrecSep-21	
180-126090-3	SGWC-11	Total/NA	Water	PrecSep-21	
180-126090-4	SGWC-13	Total/NA	Water	PrecSep-21	
MB 160-524649/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-524649/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-524649/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 524659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-5	SGWC-14	Total/NA	Water	PrecSep-21	
180-126090-6	SGWC-15	Total/NA	Water	PrecSep-21	
180-126090-7	SGWC-16	Total/NA	Water	PrecSep-21	
180-126090-8	SGWC-19	Total/NA	Water	PrecSep-21	
180-126090-9	SGWC-20	Total/NA	Water	PrecSep-21	
180-126090-10	EB-7	Total/NA	Water	PrecSep-21	
180-126090-11	DUP-7	Total/NA	Water	PrecSep-21	
180-126090-12	FB-8	Total/NA	Water	PrecSep-21	
180-126090-13	DUP-8	Total/NA	Water	PrecSep-21	
180-126090-14	SGWC-12	Total/NA	Water	PrecSep-21	
MB 160-524659/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-524659/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-524659/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 524669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-5	SGWC-14	Total/NA	Water	PrecSep_0	
180-126090-6	SGWC-15	Total/NA	Water	PrecSep_0	
180-126090-7	SGWC-16	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 524669 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126090-8	SGWC-19	Total/NA	Water	PrecSep_0	
180-126090-9	SGWC-20	Total/NA	Water	PrecSep_0	
180-126090-10	EB-7	Total/NA	Water	PrecSep_0	
180-126090-11	DUP-7	Total/NA	Water	PrecSep_0	
180-126090-12	FB-8	Total/NA	Water	PrecSep_0	
180-126090-13	DUP-8	Total/NA	Water	PrecSep_0	
180-126090-14	SGWC-12	Total/NA	Water	PrecSep_0	
MB 160-524669/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-524669/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-524669/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 528274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126059-8	SGWC-21	Total/NA	Water	PrecSep_0	
180-126059-9	SGWC-22	Total/NA	Water	PrecSep_0	
180-126059-10	SGWC-23	Total/NA	Water	PrecSep_0	
180-126059-11	SGWA-24	Total/NA	Water	PrecSep_0	
180-126059-12	EB-5	Total/NA	Water	PrecSep_0	
180-126090-1	SGWC-9	Total/NA	Water	PrecSep_0	
180-126090-2	SGWC-10	Total/NA	Water	PrecSep_0	
180-126090-3	SGWC-11	Total/NA	Water	PrecSep_0	
180-126090-4	SGWC-13	Total/NA	Water	PrecSep_0	
MB 160-528274/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-528274/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-528274/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Chain of Custody Record

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

TestAme... THE LEADER IN ENVIRON...
TestAmerica Labo...

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	_1_ of _1_ CO...
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below _3-5 days_			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific...
SGWA-1	8/17/2021	15:10	G	GW	3			X	X	X	pH = 5.26
SGWA-2	8/17/2021	16:10	G	GW	3			X	X	X	pH = 6.84
SGWA-4	8/17/2021	14:45	G	GW	3			X	X	X	pH = 6.41
SGWA-25	8/17/2021	16:13	G	GW	3			X	X	X	pH = 6.08
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	1	4	

180-125972 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by: [signature]	Company: Golder	Date/Time: 08/18/21 08:03	Received by: Elaine Cook	Company: Courier Now	Date/Time: 8/18/21 -
Relinquished by: [signature]	Company:	Date/Time: 8/18/21 1000	Received by: [signature]	Company:	Date/Time: 8/18/21 1100
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: ETA Pitt	Date/Time: 8-19-21

Form No. CA-C-WI-002, Rev. 4.20, da...

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

Chain of Custo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn P.	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWA-3	8/18/2021	11:50	G	GW	5			X	X	X	pH = 5.85
SGWA-5	8/18/2021	10:55	G	GW	3			X	X	X	pH = 5.51
SGWC-6	8/18/2021	14:32	G	GW	3			X	X	X	pH = 6.33
SGWC-7	8/18/2021	16:00	G	GW	3			X	X	X	pH = 6.61
SGWC-8	8/18/2021	16:50	G	GW	3			X	X	X	pH = 6.48
SGWC-17	8/18/2021	16:45	G	GW	3			X	X	X	pH = 6.26
SGWC-18	8/18/2021	14:30	G	GW	3			X	X	X	pH = 4.83
SGWC-21	8/18/2021	15:30	G	GW	3			X	X	X	pH = 6.26
SGWC-22	8/18/2021	14:15	G	GW	3			X	X	X	pH = 5.76
SGWC-23	8/18/2021	11:30	G	GW	3			X	X	X	pH = 6.01
SGWA-24	8/18/2021	10:35	G	GW	3			X	X	X	pH = 6.45
EB-5	8/18/2021	14:30	G	Water	3			X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	1	4	

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

☐ Non-Hazard ☐ Flammable ☐ Skin ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: GOLDER	Date/Time: 08-19-21/08:00	Received by: Elaine Codik	Company: Courier Now	Date/Time: 08/19/21
Relinquished by:	Company:	Date/Time: 8/19/21 958	Received by:	Company:	Date/Time: 8/19/21 958
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Co	Date/Time: 8-20-21

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
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			Job / SDG No.:
Site: Georgia	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
EB-6	8/18/2021	17:00	G	Water	3			X	X	X	
Dup-5	8/18/2021		G	GW	3			X	X	X	
FB-5	8/18/2021	11:15	G	Water	3			X	X	X	
FB-6	8/18/2021	15:25	G	Water	3			X	X	X	
								4	1	4	

180-126060 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____			
Relinquished by:	Company: Golder	Date/Time: 08-19-21 0800	Received by: Elaine Cook	Company: Courier Now	Date/Time: 08/19/21
Relinquished by:	Company:	Date/Time: 8/19/21 952	Received by:	Company:	Date/Time: 8/19/21 958
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: DK Peters	Company: TAP, PT	Date/Time: 8-20-21

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

9-30

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 2 COCs
Southern Company	Analysis Turnaround Time			Sampler: Jude Waguespack
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Shipping:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			G No.:
P O #	☐ 1 day			

180-126090 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: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
SGWC-9	8/19/2021	10:22	G	GW	3	N	N	X	X	X	pH = 6.22
SGWC-10	8/19/2021	10:20	G	GW	3	N	N	X	X	X	pH = 5.21
SGWC-11	8/19/2021	12:02	G	GW	3	N	N	X	X	X	pH = 5.23
SGWC-13	8/19/2021	10:15	G	GW	3	N	N	X	X	X	pH = 5.99
SGWC-14	8/19/2021	11:25	G	GW	3	N	N	X	X	X	pH = 5.86
SGWC-15	8/19/2021	13:45	G	GW	3	N	N	X	X	X	pH = 4.63
SGWC-16	8/19/2021	10:10	G	GW	5	N	N	X	X	X	pH = 5.28; Extra Radium
SGWC-19	8/19/2021	13:30	G	GW	5	N	N	X	X	X	pH = 5.61; Extra Radium
SGWC-20	8/19/2021	11:55	G	GW	3	N	N	X	X	X	pH = 4.28
EB-7	8/19/2021	10:30	G	Water	3	N	N	X	X	X	
Dup-7	8/19/2021	--	G	GW	3	N	N	X	X	X	
FB-8	8/19/2021	12:32	G	Water	3	N	N	X	X	X	
								4	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.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by: TW... / SAMPLER	Company: GOLDER	Date/Time: 08-20-21/1500	Received by:	Company:	Date/Time: 8/20/21 1500
Relinquished by: TM	Company:	Date/Time: 8/20/21 1500	Received by: Dawn Prell	Company: GAP	Date/Time: 8-21-21 930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	__2__ of __2__ COCs
Southern Company	Analysis Turnaround Time			Sampler: J. Waguespack
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below __3-5 days__			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Ash Pond	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020, 7470A: App III / IV metals	Cl, F, SO4, TDS	Radium 226 + 228	Sample Specific Notes:
Dup-8	8/19/2021	--	G	GW	3	N	N	X	X	X	
SGWC-12	8/20/2021	09:30	G	GW	3	N	N	X	X	X	pH = 6.13

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ________ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ______ Corr'd: ______ | Therm ID No.: ______

Relinquished by: JW... / J. Waguespack	Company: Golder	Date/Time: 08-20-21/1500	Received by: [signature]	Company:	Date/Time: 8/20/21 1500
Relinquished by: [signature]	Company:	Date/Time: 8/20/21 1700	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: D. Walls	Company: TA PITT	Date/Time: 8-21-21 9:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

10/11/2021

TRCK: 1516 9332 0409

Part # 159469-434 RITT EXP 04/22

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9981
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 18AUG21
ACTWGT: 60.90 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

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

(412) 963-7058 REF:
INV:
PO: DEPT:

FedEx Express

THU - 19 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1516 9332 0409

NA AGCA

15238
PIT
PA-US

Uncorrected temp 3.4 °C
Thermometer ID 16
CF 0 Initials SJ
PT-WI-SR-001 effective 11/8/18

180-125972 Waybill

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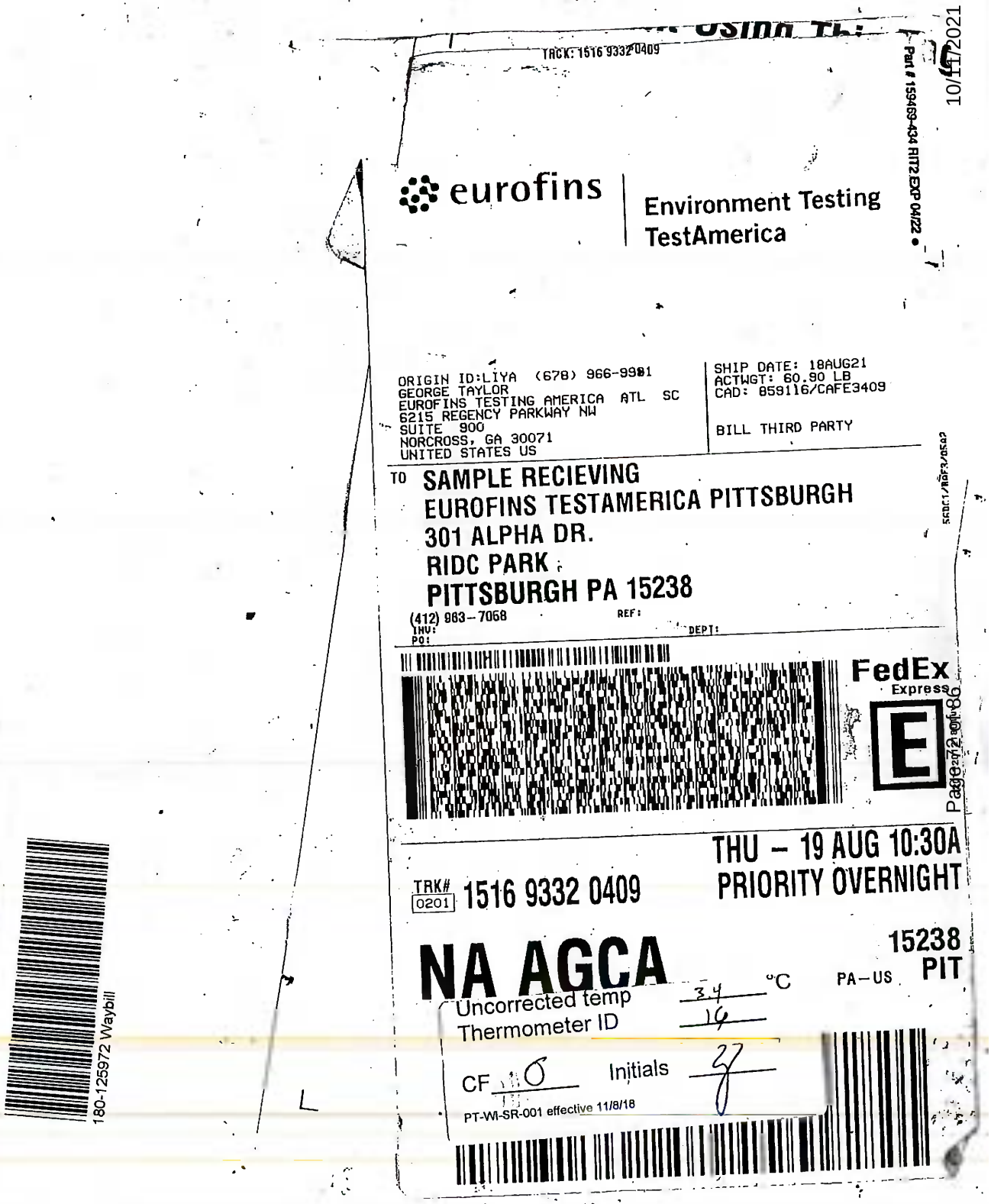

TRACK: 1516 9332 0409

Part # 159469-434 RITT2 EXP 04/22

10/11/2021

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 966-9901
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 18AUG21
ACTWGT: 60.90 LB
CAD: 859116/CAFE3409

BILL THIRD PARTY

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

(412) 963-7068 REF:
INV: DEPT:
PO:

FedEx Express

Page 72 of 86

THU - 19 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1516 9332 0409

NA AGCA

15238
PIT
PA-US

Uncorrected temp 3.4 °C
Thermometer ID 16
CF 0 Initials

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

180-125972 Waybill

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442319.1
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-125972-2
Address: 13715 Rider Trail North,	Due Date Requested: 9/22/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: GPC Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWA-1 (180-125972-1)	8/17/21	15:10 Eastern		Water			X	X	X	2	
SGWA-2 (180-125972-2)	8/17/21	16:10 Eastern		Water			X	X	X	2	
SGWA-4 (180-125972-3)	8/17/21	14:45 Eastern		Water			X	X	X	2	
SGWA-25 (180-125972-4)	8/17/21	16:13 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		8/20/21 1700		FED EX		
	Relinquished by: FED EX	Date/Time:	Company	Received by:	Date/Time: 8/21/21 0842	Company ERA SRT
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442391.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-126059-2
Address: 13715 Rider Trail North,	Due Date Requested: 9/26/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWA-3 (180-126059-1)	8/18/21	11:50 Eastern		Water			X	X	X	4	
SGWA-5 (180-126059-2)	8/18/21	10:55 Eastern		Water			X	X	X	2	
SGWC-6 (180-126059-3)	8/18/21	14:32 Eastern		Water			X	X	X	2	
SGWC-7 (180-126059-4)	8/18/21	16:00 Eastern		Water			X	X	X	2	
SGWC-8 (180-126059-5)	8/18/21	16:50 Eastern		Water			X	X	X	2	
SGWC-17 (180-126059-6)	8/18/21	16:45 Eastern		Water			X	X	X	2	
SGWC-18 (180-126059-7)	8/18/21	14:30 Eastern		Water			X	X	X	2	
SGWC-21 (180-126059-8)	8/18/21	15:30 Eastern		Water			X	X	X	2	
SGWC-22 (180-126059-9)	8/18/21	14:15 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: NO	Date/Time: 8/23/21 1700	Company: ETA	Received by: FE	Date/Time:	Company:
Relinquished by: FE	Date/Time:	Company:	Received by: Micha Koninghing	Date/Time: 8/24/21 0935	Company: ETA STL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: MKE 8/24/21	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 06/08/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442391.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-126059-2
Address: 13715 Rider Trail North,	Due Date Requested: 9/26/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWC-23 (180-126059-10)	8/18/21	11:30 Eastern		Water			X	X	X	2	
SGWA-24 (180-126059-11)	8/18/21	10:35 Eastern		Water			X	X	X	2	
EB-5 (180-126059-12)	8/18/21	14:30 Eastern		Water			X	X	X	2	

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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.

Possible Hazard Identification

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* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: MO	Date/Time: 8/23/21 1700	Company: [signature]	Received by: FE	Date/Time: / Company:
Relinquished by: FE	Date/Time:	Company:	Received by: Micha Koenig [signature]	Date/Time: 8/24/21 09:35 / Company: ETA SL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: / Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Ver: 06/08/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442391.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-126060-2
Address: 13715 Rider Trail North,	Due Date Requested: 9/23/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB-6 (180-126060-1)	8/18/21	17:00 Eastern		Water			X	X	X	2	
DUP-5 (180-126060-2)	8/18/21	Eastern		Water			X	X	X	2	
FB-5 (180-126060-3)	8/18/21	11:15 Eastern		Water			X	X	X	2	
FB-6 (180-126060-4)	8/18/21	15:25 Eastern		Water			X	X	X	2	

Preservation Codes:

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

Other:

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: MO	Date/Time: 8/23/21 1700	Company: ERH	Received by: FE	Date/Time:	Company:
Relinquished by: FE	Date/Time:	Company:	Received by: Micha Kovinling	Date/Time: 8/24/21 09:35	Company: ETA STL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Ver: 06/08/2021

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442391.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-126090-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2021			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer Ash Pond	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SGWC-9 (180-126090-1)	8/19/21	10:22 Eastern		Water			X	X	X	2	
SGWC-10 (180-126090-2)	8/19/21	10:20 Eastern		Water			X	X	X	2	
SGWC-11 (180-126090-3)	8/19/21	12:02 Eastern		Water			X	X	X	2	
SGWC-13 (180-126090-4)	8/19/21	10:15 Eastern		Water			X	X	X	2	
SGWC-14 (180-126090-5)	8/19/21	11:25 Eastern		Water			X	X	X	2	
SGWC-15 (180-126090-6)	8/19/21	13:45 Eastern		Water			X	X	X	2	
SGWC-16 (180-126090-7)	8/19/21	10:10 Eastern		Water			X	X	X	2	
SGWC-19 (180-126090-8)	8/19/21	13:30 Eastern		Water			X	X	X	4	
SGWC-20 (180-126090-9)	8/19/21	11:55 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: MB	Date/Time: 8/23/21 1700	Company: EST	Received by: FE
Relinquished by: FE	Date/Time:	Company	Received by: Michaela Cominsky
Relinquished by:	Date/Time:	Company	Received by:

Date/Time	Company
Date/Time: 8/24/21 09:35	Company: ETA SRL
Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-442391.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-126090-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2021	Analysis Requested		Preservation Codes:
City: Earth City	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MO, 63045	PO #:			Other:
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			
Email:	Project #: 18019884			
Project Name: Plant Scherer Ash Pond	SSOW#:			
Site: CCR Plant Scherer				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB-7 (180-126090-10)	8/19/21	10:30 Eastern		Water			X	X	X	2	
DUP-7 (180-126090-11)	8/19/21	Eastern		Water			X	X	X	2	
FB-8 (180-126090-12)	8/19/21	12:32 Eastern		Water			X	X	X	2	
DUP-8 (180-126090-13)	8/19/21	Eastern		Water			X	X	X	2	
SGWC-12 (180-126090-14)	8/20/21	09:30 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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 complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: MO	Date/Time: 8/23/21 1700	Company: EA PT	Received by: FE
Relinquished by: FE	Date/Time:	Company	Received by: Michaela Hinkins
Relinquished by:	Date/Time:	Company	Received by:

Received by	Date/Time	Company
FE		
Michaela Hinkins	8/24/2021 09:35	EA SR

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

10/11/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125972-2

Login Number: 125972
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-2

Login Number: 125972
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 08/21/21 11:11 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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: 180-125972-2

Login Number: 126059
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-2

Login Number: 126059
List Number: 2
Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis
List Creation: 08/24/21 05:42 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: 180-125972-2

Login Number: 126060
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-2

Login Number: 126060
List Number: 2
Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis
List Creation: 08/24/21 05:46 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: 180-125972-2

Login Number: 126090
List Number: 1
Creator: Watson, Debbie

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.	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: 180-125972-2

Login Number: 126090
List Number: 2
Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis
List Creation: 08/24/21 05:49 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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 180-126062-1
Client Project/Site: Plant Scherer Risk Eva AP-1
Revision: 1

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

Attn: Joju Abraham

Authorized for release by:
9/28/2021 10:22:47 AM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-126062-1

Job ID: 180-126062-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-126062-1

Comments
092821 Revised report to correct field pH value of the following sample at client request: PZ-13S A revised COC has also been included. This report replaces the report previously issued on 083121.

Receipt
The samples were received on 8/20/2021 9:30 AM and 8/21/2021 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 6 coolers at receipt time were 3.2º C, 3.8º C, 3.8º C, 4.2º C, 4.2º C and 5.8º 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.

Metals
Methods 6020A, 6020B: The following sample was diluted due to the nature of the sample matrix: PZ-41S (180-126091-3). 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
Job ID: 180-126062-1
Project/Site: Plant Scherer Risk Eva AP-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.
¤	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
Job ID: 180-126062-1
Project/Site: Plant Scherer Risk Eva AP-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	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	08-31-21
Georgia	State	PA 02-00416	08-31-21
Illinois	NELAP	004375	08-31-21
Kansas	NELAP	E-10350	08-31-21
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	08-31-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	08-31-21
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	08-31-21
New York	NELAP	11182	08-31-21
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	08-31-21
Oregon	NELAP	PA-2151	08-31-21
Pennsylvania	NELAP	02-00416	08-31-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-22
Texas	NELAP	T104704528	08-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	08-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	08-31-21
Wisconsin	State	998027800	08-31-22

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

Sample Summary

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

Job ID: 180-126062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-126062-1	PZ-14I	Water	08/18/21 15:40	08/20/21 09:30
180-126062-2	PZ-14S	Water	08/18/21 16:25	08/20/21 09:30
180-126062-3	PZ-43S	Water	08/18/21 11:58	08/20/21 09:30
180-126062-4	PZ-44I	Water	08/18/21 14:18	08/20/21 09:30
180-126062-5	FB-7	Water	08/18/21 15:53	08/20/21 09:30
180-126062-6	DUP-6	Water	08/18/21 00:00	08/20/21 09:30
180-126091-1	PZ-25S	Water	08/19/21 12:32	08/21/21 09:30
180-126091-2	PZ-39S	Water	08/19/21 11:47	08/21/21 09:30
180-126091-3	PZ-41S	Water	08/19/21 13:33	08/21/21 09:30
180-126091-4	PZ-13S	Water	08/20/21 09:27	08/21/21 09:30
180-126091-5	EB-8	Water	08/20/21 09:42	08/21/21 09:30

Method Summary

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

Job ID: 180-126062-1

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 Risk Eva AP-1

Job ID: 180-126062-1

Client Sample ID: PZ-14I
Date Collected: 08/18/21 15:40
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-1
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 12:23	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 15:40	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-14S
Date Collected: 08/18/21 16:25
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-2
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 12:51	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 16:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-43S
Date Collected: 08/18/21 11:58
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-3
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 12:54	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 11:58	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-44I
Date Collected: 08/18/21 14:18
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-4
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 12:58	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369647	08/18/21 14:18	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-126062-1

Client Sample ID: FB-7
Date Collected: 08/18/21 15:53
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-5
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 13:01	RSK	TAL PIT
	Instrument ID: DORY									

Client Sample ID: DUP-6
Date Collected: 08/18/21 00:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-6
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 13:04	RSK	TAL PIT
	Instrument ID: DORY									

Client Sample ID: PZ-25S
Date Collected: 08/19/21 12:32
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-1
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	369320	08/26/21 12:26	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369512	08/27/21 12:03	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 12:32	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-39S
Date Collected: 08/19/21 11:47
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-2
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	369320	08/26/21 12:26	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369512	08/27/21 12:06	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369649	08/19/21 11:47	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-41S
Date Collected: 08/19/21 13:33
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-3
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	369320	08/26/21 12:26	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369512	08/27/21 12:10	RSK	TAL PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			50 mL	50 mL	369320	08/26/21 12:26	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		2			369565	08/28/21 11:05	RJR	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-126062-1

Client Sample ID: PZ-41S
Date Collected: 08/19/21 13:33
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-3
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	Field Sampling		1			369649	08/19/21 13:33	FDS	TAL PIT

Client Sample ID: PZ-13S
Date Collected: 08/20/21 09:27
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-4
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 13:39	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			369649	08/20/21 09:27	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-8
Date Collected: 08/20/21 09:42
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-5
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	369166	08/25/21 11:37	AMD	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369367	08/26/21 13:42	RSK	TAL PIT
	Instrument ID: DORY									

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

AMD = Alysha Donlan

TLP = Tara Peterson

Batch Type: Analysis

FDS = Sampler Field

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-14I

Date Collected: 08/18/21 15:40
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00016**	**J**	0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 12:23	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 11:37	08/26/21 12:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.45**				SU			08/18/21 15:40	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-14S

Date Collected: 08/18/21 16:25
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-2

Matrix: Water

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		08/25/21 11:37	08/26/21 12:51	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 11:37	08/26/21 12:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.40**				SU			08/18/21 16:25	1

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

Job ID: 180-126062-1

Client Sample ID: PZ-43S
Date Collected: 08/18/21 11:58
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00025	J	0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 12:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			08/18/21 11:58	1

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

Job ID: 180-126062-1

Client Sample ID: PZ-44I
Date Collected: 08/18/21 14:18
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0095		0.0050	0.0034	mg/L		08/25/21 11:37	08/26/21 12:58	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.50				SU			08/18/21 14:18	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: FB-7

Date Collected: 08/18/21 15:53
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 13:01	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 11:37	08/26/21 13:01	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: DUP-6

Date Collected: 08/18/21 00:00
Date Received: 08/20/21 09:30

Lab Sample ID: 180-126062-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00024	J	0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 13:04	1
Lithium	<0.0034		0.0050	0.0034	mg/L		08/25/21 11:37	08/26/21 13:04	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-25S

Date Collected: 08/19/21 12:32
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.022		0.0025	0.00013	mg/L		08/26/21 12:26	08/27/21 12:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.01				SU			08/19/21 12:32	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-39S

Date Collected: 08/19/21 11:47
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00028	J	0.0025	0.00013	mg/L		08/26/21 12:26	08/27/21 12:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68				SU			08/19/21 11:47	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-41S
Date Collected: 08/19/21 13:33
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	2.2		0.16	0.077	mg/L		08/26/21 12:26	08/28/21 11:05	2
Cobalt	0.0013	J	0.0025	0.00013	mg/L		08/26/21 12:26	08/27/21 12:10	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.91				SU			08/19/21 13:33	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: PZ-13S

Date Collected: 08/20/21 09:27
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0060		0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 13:39	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.13				SU			08/20/21 09:27	1

Client Sample Results

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

Job ID: 180-126062-1

Client Sample ID: EB-8

Date Collected: 08/20/21 09:42
Date Received: 08/21/21 09:30

Lab Sample ID: 180-126091-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.039**	**J**	0.080	0.039	mg/L		08/25/21 11:37	08/26/21 13:42	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 13:42	1

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

Lab Sample ID: MB 180-369166/1-A
Matrix: Water
Analysis Batch: 369367

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 369166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		08/25/21 11:37	08/26/21 12:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/25/21 11:37	08/26/21 12:37	1

Lab Sample ID: LCS 180-369166/2-A
Matrix: Water
Analysis Batch: 369367

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 369166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.500	0.502		mg/L		100	80 - 120
Lithium	0.500	0.513		mg/L		103	80 - 120

Lab Sample ID: 180-126062-1 MS
Matrix: Water
Analysis Batch: 369367

Client Sample ID: PZ-14I
Prep Type: Total Recoverable
Prep Batch: 369166

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.00016	J	0.500	0.501		mg/L		100	75 - 125
Lithium	<0.0034		0.500	0.514		mg/L		103	75 - 125

Lab Sample ID: 180-126062-1 MSD
Matrix: Water
Analysis Batch: 369367

Client Sample ID: PZ-14I
Prep Type: Total Recoverable
Prep Batch: 369166

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	0.00016	J	0.500	0.505		mg/L		101	75 - 125	1	20
Lithium	<0.0034		0.500	0.507		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 180-369320/1-A
Matrix: Water
Analysis Batch: 369512

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:26	08/27/21 09:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:26	08/27/21 09:21	1

Lab Sample ID: LCS 180-369320/2-A
Matrix: Water
Analysis Batch: 369512

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.20		mg/L		96	80 - 120
Cobalt	0.500	0.508		mg/L		102	80 - 120

Lab Sample ID: 180-126083-A-4-B MS
Matrix: Water
Analysis Batch: 369512

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	<0.00013		0.500	0.512		mg/L		102	75 - 125

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

Lab Sample ID: 180-126083-A-4-B MS ^5
Matrix: Water
Analysis Batch: 369565

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Boron	<0.19		1.25	1.31		mg/L		105	75 - 125		

Lab Sample ID: 180-126083-A-4-C MSD
Matrix: Water
Analysis Batch: 369512

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	<0.00013		0.500	0.508		mg/L		102	75 - 125	1	20

Lab Sample ID: 180-126083-A-4-C MSD ^5
Matrix: Water
Analysis Batch: 369565

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 369320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	<0.19		1.25	1.33		mg/L		106	75 - 125	2	20

QC Association Summary

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

Job ID: 180-126062-1

Metals

Prep Batch: 369166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126062-1	PZ-14I	Total Recoverable	Water	3005A	
180-126062-2	PZ-14S	Total Recoverable	Water	3005A	
180-126062-3	PZ-43S	Total Recoverable	Water	3005A	
180-126062-4	PZ-44I	Total Recoverable	Water	3005A	
180-126062-5	FB-7	Total Recoverable	Water	3005A	
180-126062-6	DUP-6	Total Recoverable	Water	3005A	
180-126091-4	PZ-13S	Total Recoverable	Water	3005A	
180-126091-5	EB-8	Total Recoverable	Water	3005A	
MB 180-369166/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369166/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126062-1 MS	PZ-14I	Total Recoverable	Water	3005A	
180-126062-1 MSD	PZ-14I	Total Recoverable	Water	3005A	

Prep Batch: 369320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126091-1	PZ-25S	Total Recoverable	Water	3005A	
180-126091-2	PZ-39S	Total Recoverable	Water	3005A	
180-126091-3	PZ-41S	Total Recoverable	Water	3005A	
MB 180-369320/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369320/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126083-A-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-126083-A-4-B MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
180-126083-A-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
180-126083-A-4-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 369367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126062-1	PZ-14I	Total Recoverable	Water	EPA 6020B	369166
180-126062-2	PZ-14S	Total Recoverable	Water	EPA 6020B	369166
180-126062-3	PZ-43S	Total Recoverable	Water	EPA 6020B	369166
180-126062-4	PZ-44I	Total Recoverable	Water	EPA 6020B	369166
180-126062-5	FB-7	Total Recoverable	Water	EPA 6020B	369166
180-126062-6	DUP-6	Total Recoverable	Water	EPA 6020B	369166
180-126091-4	PZ-13S	Total Recoverable	Water	EPA 6020B	369166
180-126091-5	EB-8	Total Recoverable	Water	EPA 6020B	369166
MB 180-369166/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369166
LCS 180-369166/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369166
180-126062-1 MS	PZ-14I	Total Recoverable	Water	EPA 6020B	369166
180-126062-1 MSD	PZ-14I	Total Recoverable	Water	EPA 6020B	369166

Analysis Batch: 369512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126091-1	PZ-25S	Total Recoverable	Water	EPA 6020B	369320
180-126091-2	PZ-39S	Total Recoverable	Water	EPA 6020B	369320
180-126091-3	PZ-41S	Total Recoverable	Water	EPA 6020B	369320
MB 180-369320/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369320
LCS 180-369320/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369320
180-126083-A-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	369320
180-126083-A-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	369320

QC Association Summary

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

Job ID: 180-126062-1

Metals

Analysis Batch: 369565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126091-3	PZ-41S	Total Recoverable	Water	EPA 6020B	369320
180-126083-A-4-B MS ^5	Matrix Spike	Total Recoverable	Water	EPA 6020B	369320
180-126083-A-4-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	369320

Field Service / Mobile Lab

Analysis Batch: 369647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126062-1	PZ-14I	Total/NA	Water	Field Sampling	
180-126062-2	PZ-14S	Total/NA	Water	Field Sampling	
180-126062-3	PZ-43S	Total/NA	Water	Field Sampling	
180-126062-4	PZ-44I	Total/NA	Water	Field Sampling	

Analysis Batch: 369649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126091-1	PZ-25S	Total/NA	Water	Field Sampling	
180-126091-2	PZ-39S	Total/NA	Water	Field Sampling	
180-126091-3	PZ-41S	Total/NA	Water	Field Sampling	
180-126091-4	PZ-13S	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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Risk Eva (AP-1)	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Cobalt	Lithium	Sample Specific Notes:
PZ-14I	8/18/2021	15:40	G	GW	1			X	X	pH = 6.45
PZ-14S	8/18/2021	16:25	G	GW	1			X	X	pH = 5.40
PZ-43S	8/18/2021	11:58	G	GW	1			X		pH = 6.35
PZ-44I	8/18/2021	14:18	G	GW	1				X	pH = 6.50
FB-7	8/18/2021	15:53	G	Water	1			X	X	
Dup-6	8/18/2021		G	GW	1			X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	4	

180-126062 Chain of Custody

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 ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	GOLDER	08-19-21/0800	Elaine Cook	Courier Now	8/19/21
Relinquished by: TM	Company:	Date/Time: 8/19/21 955	Received by: TM	Company:	Date/Time: 8/19/21 955
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Dwatson	Company: FedEx	Date/Time: 8-20-21

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

9:30

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	**Analysis Turnaround Time**			Sampler: Jude Waguespack
241 Ralph McGill Blvd SE B10185	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Risk Eva (AP-1)	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Cobalt	Boron	Sample Specific Notes:
PZ-25S	8/19/2021	12:32	G	GW	1	N	N	X		pH = 5.01
PZ-39S	8/19/2021	11:47	G	GW	1	N	N	X		pH = 6.68
PZ-41S	8/19/2021	13:33	G	GW	1	N	N	X	X	pH = 5.91
PZ-13S	8/20/2021	9:27	G	GW	1	N	N	X		pH = 5.03
EB-8	8/20/2021	9:42	G	Water	1	N	N	X	X	
								4	4	

180-126091 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 ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: JW... / J. Waguespack	Company: Golder	Date/Time: 08-20-21 1500	Received by: JW	Company:	Date/Time: 8/20/21 1500
Relinquished by:	Company:	Date/Time: 8/20/21 2100	Received by: DW	Company:	Date/Time: 8-21-21
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company:	Date/Time: 930

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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date:	COC No:
Joju Abraham	Tel/Fax: 248-538-5445	Lab Contact: Shali Brown	Carrier:	__1__ of __1__ COCs
Southern Company	Analysis Turnaround Time			Sampler: Jude Waguespack
241 Ralph McGill Blvd SE B10185	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below __3-5 days___			Walk-in Client:
JAbraham@southernco.com	☐ 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Risk Eva (AP-1)	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Cobalt	Boron	Sample Specific Notes:
PZ-26S	8/19/2021	12:32	G	GW	1	N	N	X		pH = 5.01
PZ-30S	8/19/2021	11:47	G	GW	1	N	N	X		pH = 6.66
PZ-41S	8/19/2021	13:33	G	GW	1	N	N	X	X	pH = 5.91
PZ-13S	8/20/2021	9:27	G	GW	1	N	N	X		~~pH = [illegible]~~ DH pH = 5.13
EB-8	8/20/2021	9:42	G	Water	1	N	N	X	X	

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ___ Corr'd: ___ Therm ID No.: ___

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature] J. Waguespack	Golder	8/20/21 1500	[signature]		8/20/21 1500
Relinquished by: [signature]	Company:	Date/Time: 8/20/21 1500	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

1 2 3 4 5 6 7 8 9 10 11 12 13

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-126062-1

Login Number: 126062
List Number: 1
Creator: Watson, Debbie

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.	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: 180-126062-1

Login Number: 126091
List Number: 1
Creator: Watson, Debbie

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	

APPENDIX B

Laboratory Accreditation

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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. 4101-4113 and the

National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditation more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP [illegible] NELAC Standard or TNI Standard and the [illegible] Subchapters and Sections [illegible] Pa. Code Chapter 252 [illegible] Section 252.305 and Section 252.401

Expiration Date: 04/30/2022

Certificate Number: 018

[illegible]

Aaron Beach

Assistant Bureau Chief
Laboratory Accreditation Program
Bureau of Laboratories

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 013-001 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) 963-7936

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 Scope	Effective Date
[illegible]		[illegible]	[illegible]	PA	[illegible]
ASTM D422-63		Silt + clay	NELAP	PA	[illegible]
EPA 1010	A	Ignitability	NELAP	PA	03/24/2010
[illegible]		[illegible]	[illegible]	PA	[illegible]
[illegible]		[illegible]	[illegible]	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	[illegible]	PA	[illegible]
[illegible]	A	[illegible]	[illegible]	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
EPA 1664	B	n-Hexane extractable material (HEM; Oil and Grease)	NELAP	PA	07/13/2021
[illegible]		[illegible]	[illegible]	PA	[illegible]
[illegible]	4.4	[illegible]	[illegible]	PA	[illegible]
[illegible]	4.4	[illegible]	[illegible]	PA	[illegible]
[illegible]	4.4	[illegible]	[illegible]	PA	[illegible]
[illegible]	4.4	[illegible]	[illegible]	PA	[illegible]
EPA 200.7	4.4	Aluminum	NELAP	PA	04/27/2006
EPA 200.7	4.4	Antimony	NELAP	PA	[illegible]
EPA 200.7	4.4	Arsenic	NELAP	PA	04/27/2006
EPA 200.7	4.4	Barium	NELAP	PA	04/27/2006
EPA 200.7	4.4	Beryllium	NELAP	PA	04/27/2006
EPA 200.7	4.4	Boron	NELAP	PA	[illegible]
EPA 200.7	4.4	Cadmium	NELAP	PA	04/27/2006
EPA 200.7	4.4	Calcium	NELAP	PA	[illegible]
EPA 200.7	4.4	Chromium	NELAP	PA	[illegible]
EPA 200.7	4.4	Cobalt	NELAP	PA	[illegible]
EPA 200.7	4.4	Copper	NELAP	PA	[illegible]
EPA 200.7	4.4	Iron	NELAP	PA	[illegible]
EPA 200.7	4.4	Lead	NELAP	PA	04/27/2006
EPA 200.7	4.4	Lithium	NELAP	PA	[illegible]
EPA 200.7	4.4	Magnesium	NELAP	PA	[illegible]
EPA 200.7	4.4	Manganese	NELAP	PA	[illegible]
EPA 200.7	4.4	Molybdenum	NELAP	PA	[illegible]
EPA 200.7	4.4	Nickel	NELAP	PA	[illegible]
EPA 200.7	4.4	Phosphorus	NELAP	PA	[illegible]
EPA 200.7	4.4	Potassium	NELAP	PA	[illegible]
EPA 200.7	4.4	Silicon as SiO2	NELAP	PA	[illegible]
EPA 200.7	4.4	Silver	NELAP	PA	[illegible]
EPA 200.7	4.4	Sodium	NELAP	PA	[illegible]
EPA 200.7	4.4	Strontium	NELAP	PA	[illegible]
EPA 200.7	4.4	Thallium	NELAP	PA	[illegible]
EPA 200.7	4.4	Tin	NELAP	PA	04/27/2006
EPA 200.7	4.4	Titanium	NELAP	PA	[illegible]
EPA 200.7	4.4	Vanadium	NELAP	PA	[illegible]
EPA 200.7	4.4	Zinc	NELAP	PA	[illegible]
EPA 200.7	4.4	Zirconium	NELAP	PA	[illegible]
EPA 200.7	4.4	Aluminum	NELAP	PA	[illegible]

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 status.

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
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Magnesium	NELAP	PA	[illegible]
[illegible]	[illegible]	Molybdenum	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Zinc	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]

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Laboratory Scope of Accreditation

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
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	C	[illegible]	NELAP	PA	[illegible]
[illegible]	C	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	B	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	C	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Iron	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]

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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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 Scale	Effective Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	B	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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 608		4,4'-DDE	NELAP	PA	[illegible]
EPA 608		4,4'-DDT	NELAP	PA	[illegible]
EPA 608		Aldrin	NELAP	PA	[illegible]
EPA 608		Aroclor-1016 (PCB-1016)	NELAP	PA	[illegible]
EPA 608		Aroclor-1221 (PCB-1221)	NELAP	PA	[illegible]
EPA 608		Aroclor-1232 (PCB-1232)	NELAP	PA	[illegible]
EPA 608		Aroclor-1242 (PCB-1242)	NELAP	PA	[illegible]
EPA 608		Aroclor-1248 (PCB-1248)	NELAP	PA	[illegible]
EPA 608		Aroclor-1254 (PCB-1254)	NELAP	PA	[illegible]
EPA 608		Aroclor-1260 (PCB-1260)	NELAP	PA	[illegible]
EPA 608		[illegible]	NELAP	PA	[illegible]
EPA 608		[illegible]	NELAP	PA	[illegible]
EPA 608		Chlordane (tech.)	NELAP	PA	[illegible]
EPA 608		Dieldrin	NELAP	PA	[illegible]
EPA 608		Endosulfan I	NELAP	PA	[illegible]
EPA 608		Endosulfan II	NELAP	PA	[illegible]
EPA 608		Endosulfan sulfate	NELAP	PA	[illegible]
EPA 608		Endrin	NELAP	PA	[illegible]
EPA 608		Endrin aldehyde	NELAP	PA	[illegible]
EPA 608		Endrin ketone	NELAP	PA	[illegible]
EPA 608		Heptachlor	NELAP	PA	[illegible]
EPA 608		Heptachlor epoxide	NELAP	PA	[illegible]
EPA 608		Methoxychlor	NELAP	PA	[illegible]
EPA 608		Toxaphene (Chlorinated camphene)	NELAP	PA	[illegible]
EPA 608		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	[illegible]
EPA 608		alpha-Chlordane	NELAP	PA	[illegible]
EPA 608		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	[illegible]
EPA 608		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	[illegible]
EPA 608		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	[illegible]
EPA 608		gamma-Chlordane	NELAP	PA	[illegible]
EPA 608.3		4,4'-DDD	NELAP	PA	[illegible]
EPA 608.3		4,4'-DDE	NELAP	PA	[illegible]
EPA 608.3		4,4'-DDT	NELAP	PA	[illegible]
EPA 608.3		Aldrin	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1016 (PCB-1016)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1221 (PCB-1221)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1232 (PCB-1232)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1242 (PCB-1242)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1248 (PCB-1248)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1254 (PCB-1254)	NELAP	PA	[illegible]
EPA 608.3		Aroclor-1260 (PCB-1260)	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 018-001 expiration date 06/30/2022. 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: TNI02131
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]

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Laboratory Scope of Accreditation

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Eurofins TestAmerica Laboratories Pittsburgh
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 624		2,2-Dichloropropane	NELAP	PA	[illegible]
EPA 624		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	[illegible]
EPA 624		2-Chloroethyl vinyl ether	NELAP	PA	[illegible]
EPA 624		2-Hexanone	NELAP	PA	[illegible]
EPA 624		4-Chlorotoluene	NELAP	PA	[illegible]
EPA 624		4-Methyl-2-pentanone (MIBK)	NELAP	PA	[illegible]
EPA 624		Acetone	NELAP	PA	[illegible]
EPA 624		Acetonitrile	NELAP	PA	[illegible]
EPA 624		Acrolein (Propenal)	NELAP	PA	[illegible]
EPA 624		Acrylonitrile	NELAP	PA	[illegible]
EPA 624		Benzene	NELAP	PA	[illegible]
EPA 624		Bromobenzene	NELAP	PA	[illegible]
EPA 624		Bromochloromethane	NELAP	PA	[illegible]
EPA 624		Bromodichloromethane	NELAP	PA	[illegible]
EPA 624		Bromoform	NELAP	PA	[illegible]
EPA 624		Carbon disulfide	NELAP	PA	04/06/2009
EPA 624		Carbon tetrachloride	NELAP	PA	[illegible]
EPA 624		Chlorobenzene	NELAP	PA	[illegible]
EPA 624		Chloroethane	NELAP	PA	[illegible]
EPA 624		Chloroform	NELAP	PA	[illegible]
EPA 624		Cyclohexane	NELAP	PA	[illegible]
EPA 624		Dibromochloromethane	NELAP	PA	[illegible]
EPA 624		Dibromomethane	NELAP	PA	[illegible]
EPA 624		Dichlorodifluoromethane (Freon-12)	NELAP	PA	04/06/2009
EPA 624		Diethyl ether	NELAP	PA	04/06/2009
EPA 624		Ethylbenzene	NELAP	PA	[illegible]
EPA 624		Hexachlorobutadiene (1,1,2,3,4,4-Hexachloro-1,3-butadiene)	NELAP	PA	[illegible]
EPA 624		Iodomethane (Methyl iodide)	NELAP	PA	[illegible]
EPA 624		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	[illegible]
EPA 624		Isopropylbenzene	NELAP	PA	[illegible]
EPA 624		Methacrylonitrile	NELAP	PA	04/06/2009
EPA 624		Methyl acetate	NELAP	PA	04/06/2009
EPA 624		[illegible]	NELAP	PA	[illegible]
EPA 624		[illegible]	NELAP	PA	[illegible]
EPA 624		[illegible]	NELAP	PA	[illegible]
EPA 624		[illegible]	NELAP	PA	[illegible]
EPA 624		Methylene chloride (Dichloromethane)	NELAP	PA	[illegible]
EPA 624		[illegible]	NELAP	PA	[illegible]
EPA 624		Naphthalene	NELAP	PA	[illegible]
EPA 624		Propionitrile (Ethyl cyanide)	NELAP	PA	[illegible]
EPA 624		Styrene	NELAP	PA	[illegible]
EPA 624		Tetrachloroethylene (Perchloroethylene)	NELAP	PA	[illegible]

[illegible]

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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
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]		[illegible]	[illegible]	[illegible]	[illegible]

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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		[illegible]	NELAP	PA	[illegible]
EPA 625.1		[illegible]	NELAP	PA	[illegible]
EPA 8011		[illegible]	NELAP	PA	[illegible]
EPA 8015C		[illegible]	NELAP	PA	[illegible]
EPA 8015D		[illegible]	NELAP	PA	[illegible]
EPA 8021B		[illegible]	NELAP	PA	[illegible]
EPA 8081A		[illegible]	NELAP	PA	[illegible]
EPA 8082A		[illegible]	NELAP	PA	[illegible]
EPA 8151A		[illegible]	NELAP	PA	[illegible]
EPA 8260B		[illegible]	NELAP	PA	[illegible]
EPA 8270C		Acetone	NELAP	PA	[illegible]
EPA 8270D		[illegible]	NELAP	PA	[illegible]
EPA 8270E		[illegible]	NELAP	PA	[illegible]
EPA 8290A		[illegible]	NELAP	PA	[illegible]
EPA 9014		[illegible]	NELAP	PA	[illegible]
EPA 9020B		[illegible]	NELAP	PA	[illegible]
EPA 9034		[illegible]	NELAP	PA	[illegible]
EPA 9038		[illegible]	NELAP	PA	[illegible]
EPA 9040B		[illegible]	NELAP	PA	[illegible]
EPA 9040C		[illegible]	NELAP	PA	[illegible]
EPA 9045C		[illegible]	NELAP	PA	[illegible]
EPA 9050A		[illegible]	NELAP	PA	[illegible]
EPA 9056A		[illegible]	NELAP	PA	[illegible]
EPA 9060A		[illegible]	NELAP	PA	[illegible]
EPA 9065		[illegible]	NELAP	PA	[illegible]
EPA 9066		[illegible]	NELAP	PA	[illegible]
EPA 9071B		[illegible]	NELAP	PA	[illegible]
EPA 9075		[illegible]	NELAP	PA	[illegible]
EPA 9076		[illegible]	NELAP	PA	[illegible]
EPA 9077		[illegible]	NELAP	PA	[illegible]
EPA 9078		[illegible]	NELAP	PA	[illegible]
EPA 9079		[illegible]	NELAP	PA	[illegible]
EPA 9080		[illegible]	NELAP	PA	[illegible]
EPA 9081		[illegible]	NELAP	PA	[illegible]
EPA 9082		[illegible]	NELAP	PA	[illegible]
EPA 9083		[illegible]	NELAP	PA	[illegible]
EPA 9084		[illegible]	NELAP	PA	[illegible]
EPA 9085		[illegible]	NELAP	PA	[illegible]
EPA 9086		[illegible]	NELAP	PA	[illegible]
EPA 9087		[illegible]	NELAP	PA	[illegible]
EPA 9088		[illegible]	NELAP	PA	[illegible]
EPA 9089		[illegible]	NELAP	PA	[illegible]
EPA 9090		[illegible]	NELAP	PA	[illegible]
EPA 9091		[illegible]	NELAP	PA	[illegible]
EPA 9092		[illegible]	NELAP	PA	[illegible]
EPA 9093		[illegible]	NELAP	PA	[illegible]
EPA 9094		[illegible]	NELAP	PA	[illegible]
EPA 9095		[illegible]	NELAP	PA	[illegible]
EPA 9096		[illegible]	NELAP	PA	[illegible]
EPA 9097		[illegible]	NELAP	PA	[illegible]
EPA 9098		[illegible]	NELAP	PA	[illegible]
EPA 9099		[illegible]	NELAP	PA	[illegible]
EPA 9100		[illegible]	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
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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
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]

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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		2,4-Dichlorophenol	NELAP	PA	[illegible]
EPA 625		2,4-Dimethylphenol	NELAP	PA	[illegible]
EPA 625		2,4-Dinitrophenol	NELAP	PA	[illegible]
EPA 625		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	[illegible]
EPA 625		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	[illegible]
EPA 625		2-Chloronaphthalene	NELAP	PA	[illegible]
EPA 625		2-Chloroethyl vinyl ether	NELAP	PA	[illegible]
EPA 625		2-Chlorophenol	NELAP	PA	[illegible]
EPA 625		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	[illegible]
EPA 625		2-Methylnaphthalene	NELAP	PA	[illegible]
EPA 625		2-Methylphenol (o-Cresol)	NELAP	PA	[illegible]
EPA 625		2-Nitroaniline	NELAP	PA	[illegible]
EPA 625		2-Nitrophenol	NELAP	PA	[illegible]
EPA 625		3&4-Methylphenol (m+p Cresols)	NELAP	PA	[illegible]
EPA 625		3,3'-Dichlorobenzidine	NELAP	PA	[illegible]
EPA 625		3-Chloroaniline	NELAP	PA	[illegible]
EPA 625		3-Nitroaniline	NELAP	PA	[illegible]
EPA 625		4-Bromophenyl phenyl ether	NELAP	PA	[illegible]
EPA 625		4-Chloro-3-methylphenol	NELAP	PA	[illegible]
EPA 625		4-Chloroaniline	NELAP	PA	[illegible]
EPA 625		[illegible]	NELAP	PA	[illegible]
EPA 625		4-Chlorophenyl phenyl ether	NELAP	PA	[illegible]
EPA 625		4-Nitroaniline	NELAP	PA	[illegible]
EPA 625		4-Nitrophenol	NELAP	PA	[illegible]
EPA 625		[illegible]	NELAP	PA	[illegible]
EPA 625		Acenaphthene	NELAP	PA	[illegible]
EPA 625		Acenaphthylene	NELAP	PA	[illegible]
EPA 625		Acetophenone	NELAP	PA	[illegible]
EPA 625		[illegible]	NELAP	PA	[illegible]
EPA 625		Aniline	NELAP	PA	[illegible]
EPA 625		Anthracene	NELAP	PA	[illegible]
EPA 625		Atrazine	NELAP	PA	[illegible]
EPA 625		[illegible]	NELAP	PA	[illegible]
EPA 625		Benzaldehyde	NELAP	PA	[illegible]
EPA 625		Benzidine	NELAP	PA	[illegible]
EPA 625		Benzo(a)anthracene	NELAP	PA	[illegible]
EPA 625		Benzo(a)pyrene	NELAP	PA	[illegible]
EPA 625		Benzo(b)fluoranthene	NELAP	PA	[illegible]
EPA 625		Benzo(g,h,i)perylene	NELAP	PA	[illegible]
EPA 625		Benzo(k)fluoranthene	NELAP	PA	[illegible]
EPA 625		Benzoic acid	NELAP	PA	[illegible]

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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
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: 02-00418
EPA Lab Code: PA00164
TNI Code: TNI02151
PADEP LID: 02418

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		2,4,6-Trichlorophenol	NELAP	PA	04/01/2021
EPA 625		2,4-Dichlorophenol	NELAP	PA	04/01/2021
EPA 625		2,4-Dimethylphenol	NELAP	PA	04/01/2021
EPA 625		2,4-Dinitrophenol	NELAP	PA	04/01/2021
EPA 625		2,4-Dinitrotoluene	NELAP	PA	04/01/2021
EPA 625		2,6-Dinitrotoluene	NELAP	PA	04/01/2021
EPA 625		2-Chloronaphthalene	NELAP	PA	04/01/2021
EPA 625		2-Chlorophenol	NELAP	PA	04/01/2021
EPA 625		2-Methylnaphthalene	NELAP	PA	04/01/2021
EPA 625		2-Methylphenol	NELAP	PA	04/01/2021
EPA 625		2-Nitroaniline	NELAP	PA	04/01/2021
EPA 625		2-Nitrophenol	NELAP	PA	04/01/2021
EPA 625		3,3'-Dichlorobenzidine	NELAP	PA	04/01/2021
EPA 625		3-Nitroaniline	NELAP	PA	04/01/2021
EPA 625		4,6-Dinitro-2-methylphenol	NELAP	PA	04/01/2021
EPA 625		4-Bromophenyl phenyl ether	NELAP	PA	04/01/2021
EPA 625		4-Chloro-3-methylphenol	NELAP	PA	04/01/2021
EPA 625		4-Chloroaniline	NELAP	PA	04/01/2021
EPA 625		4-Chlorophenyl phenyl ether	NELAP	PA	04/01/2021
EPA 625		4-Nitroaniline	NELAP	PA	04/01/2021
EPA 625		4-Nitrophenol	NELAP	PA	04/01/2021
EPA 625		Acenaphthene	NELAP	PA	04/01/2021
EPA 625		Acenaphthylene	NELAP	PA	04/01/2021
EPA 625		Anthracene	NELAP	PA	04/01/2021
EPA 625		Benzidine	NELAP	PA	04/01/2021
EPA 625		Benzo[a]anthracene	NELAP	PA	04/01/2021
EPA 625		Benzo[a]pyrene	NELAP	PA	04/01/2021
EPA 625		Benzo[b]fluoranthene	NELAP	PA	04/01/2021
EPA 625		Benzo[g,h,i]perylene	NELAP	PA	04/01/2021
EPA 625		Benzo[k]fluoranthene	NELAP	PA	04/01/2021
EPA 625		Benzoic acid	NELAP	PA	04/01/2021
EPA 625		Benzyl alcohol	NELAP	PA	04/01/2021
EPA 625		Bis(2-chloroethoxy)methane	NELAP	PA	04/01/2021
EPA 625		Bis(2-chloroethyl) ether	NELAP	PA	04/01/2021
EPA 625		Bis(2-chloroisopropyl) ether	NELAP	PA	04/01/2021
EPA 625		Bis(2-ethylhexyl) phthalate	NELAP	PA	04/01/2021
EPA 625		Butyl benzyl phthalate	NELAP	PA	04/01/2021
EPA 625		Carbazole	NELAP	PA	04/01/2021
EPA 625		Chrysene	NELAP	PA	04/01/2021
EPA 625		Dibenz(a,h)anthracene	NELAP	PA	04/01/2021
EPA 625		Dibenzofuran	NELAP	PA	04/01/2021
EPA 625		Diethyl phthalate	NELAP	PA	04/01/2021
EPA 625		Dimethyl phthalate	NELAP	PA	04/01/2021
EPA 625		Di-n-butyl phthalate	NELAP	PA	04/01/2021
EPA 625		Di-n-octyl phthalate	NELAP	PA	04/01/2021
EPA 625		Fluoranthene	NELAP	PA	04/01/2021
EPA 625		Fluorene	NELAP	PA	04/01/2021
EPA 625		Hexachlorobenzene	NELAP	PA	04/01/2021
EPA 625		Hexachlorobutadiene	NELAP	PA	04/01/2021
EPA 625		Hexachlorocyclopentadiene	NELAP	PA	04/01/2021
EPA 625		Hexachloroethane	NELAP	PA	04/01/2021
EPA 625		Indeno[1,2,3-cd]pyrene	NELAP	PA	04/01/2021
EPA 625		Isophorone	NELAP	PA	04/01/2021
EPA 625		Naphthalene	NELAP	PA	04/01/2021
EPA 625		Nitrobenzene	NELAP	PA	04/01/2021
EPA 625		N-Nitrosodimethylamine	NELAP	PA	04/01/2021
EPA 625		N-Nitrosodi-n-propylamine	NELAP	PA	04/01/2021
EPA 625		N-Nitrosodiphenylamine	NELAP	PA	04/01/2021
EPA 625		Pentachlorophenol	NELAP	PA	04/01/2021
EPA 625		Phenanthrene	NELAP	PA	04/01/2021
EPA 625		Phenol	NELAP	PA	04/01/2021
EPA 625		Pyrene	NELAP	PA	04/01/2021

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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	**DEP Laboratory ID: 02-00416**
301 Alpha Drive	**EPA Lab Code: PA00164**
Pittsburgh, PA 15238	**TNI Code: TNI02131**
(412) 963-7058	**PADWIS ID: 02416**

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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Laboratory Scope of Accreditation

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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
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
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[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	A	Chromium VI	NELAP	PA	[illegible]
[illegible]	A	Mercury	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
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EPA [illegible]	[illegible]	Chlordane (tech)	NELAP	PA	[illegible]
[illegible]	A, B	Dacthal (DCPA)	NELAP	PA	[illegible]
[illegible]	A, [illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Dieldrin	NELAP	PA	[illegible]
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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
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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI03151
PADWIS ID: 00416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/01/2020
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/01/2020
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	04/01/2020
EPA 8141	A,B	Chlorpyrifos by 8141B	NELAP	PA	04/01/2020
EPA 8141	A,B	Azinphos-methyl (Guthion)	NELAP	PA	04/01/2020
EPA 8141	A,B	Bolstar (Sulprofos)	NELAP	PA	04/01/2020
EPA 8141	A,B	Coumaphos	NELAP	PA	04/01/2020
EPA 8141	A,B	Demeton	NELAP	PA	04/01/2020
EPA 8141	A,B	Demeton-O	NELAP	PA	04/01/2020
EPA 8141	A,B	Demeton-S	NELAP	PA	04/01/2020
EPA 8141	A,B	Diazinon	NELAP	PA	04/01/2020
EPA 8141	A,B	Dichlorvos (DDVP)	NELAP	PA	04/01/2020
EPA 8141	A,B	Dimethoate	NELAP	PA	04/01/2020
EPA 8141	A,B	Disulfoton	NELAP	PA	04/01/2020
EPA 8141	A,B	EPN	NELAP	PA	04/01/2020
EPA 8141	A,B	Ethoprop	NELAP	PA	04/01/2020
EPA 8141	A,B	Famphur	NELAP	PA	04/01/2020
EPA 8141	A,B	Fensulfothion	NELAP	PA	04/01/2020
EPA 8141	A,B	Fenthion	NELAP	PA	04/01/2020
EPA 8141	A,B	Malathion	NELAP	PA	04/01/2020
EPA 8141	A,B	Merphos (Tributyl phosphorotrithioate)	NELAP	PA	04/01/2020
EPA 8141	A,B	Mevinphos	NELAP	PA	04/01/2020
EPA 8141	A,B	Monocrotophos	NELAP	PA	04/01/2020
EPA 8141	A,B	Parathion, ethyl (Diethyl p-nitrophenyl Parathion	NELAP	PA	04/01/2020
EPA 8141	A,B	Parathion, methyl	NELAP	PA	04/01/2020
EPA 8141	A,B	Phorate	NELAP	PA	04/01/2020
EPA 8141	A,B	Ronnel	NELAP	PA	04/01/2020
EPA 8141	A,B	Stirophos (Tetrachlorvinphos)	NELAP	PA	04/01/2020
EPA 8141	A,B	Sulfotepp (Tetraethyl Dithiopyrophosphate)	NELAP	PA	04/01/2020
EPA 8141	A,B	Thionazin (Zinophos)	NELAP	PA	04/01/2020
EPA 8141	A,B	Tokuthion (Prothiofos)	NELAP	PA	04/01/2020
EPA 8141	A,B	Trichloronate	NELAP	PA	04/01/2020
EPA 8151	A	Chlorinated herbicides by 8151A	NELAP	PA	04/01/2020
EPA 8151	A	2,4,5-T	NELAP	PA	04/01/2020
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	04/01/2020
EPA 8151	A	2,4-D	NELAP	PA	04/01/2020

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 status.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: TNI02161
PADWIS ID: 02456

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	[illegible]	4-Chlorotoluene	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Acetone	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Benzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	[illegible]
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Carbon disulfide	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	Chloroethane	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Methylene chloride (Dichloromethane)	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	B, [illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	B, [illegible]	[illegible]	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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 [illegible]	B, C, D	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	B, C, D	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA 8260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA 8260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA 8260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EPA 8260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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EPA 8260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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	Prep. Code	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]
[illegible]	C, D, E	[illegible]	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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
[illegible]					

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible] E	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible] E	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]

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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: TN02351
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
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[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
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[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]

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Laboratory Scope of Accreditation

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
[illegible]		Cyanide	NELAP	PA	[illegible]
[illegible]		Total residual chlorine	NELAP	PA	[illegible]
[illegible]		pH	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		Oxygen, dissolved	NELAP	PA	[illegible]
[illegible]		Sulfide	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
SM 5310 C		Dissolved organic carbon (DOC)	NELAP	PA	[illegible]
SM 5310 C		Total organic carbon (TOC)	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	Bromide	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	B	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]

[illegible]

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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 038-001 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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	B	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	B	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	B	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	B, C, D	[illegible]	NELAP	PA	[illegible]
[illegible]	B, C, D	[illegible]	NELAP	PA	[illegible]
[illegible]	B, C, D	[illegible]	NELAP	PA	[illegible]
[illegible]	B, C, D	[illegible]	NELAP	PA	[illegible]
[illegible]	B, C, D	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	[illegible]	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	Aluminum	NELAP	PA	[illegible]
[illegible]	A, B	Antimony	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	Magnesium	NELAP	PA	[illegible]
[illegible]	A, B	Manganese	NELAP	PA	[illegible]
[illegible]	A, B	Molybdenum	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	Potassium	NELAP	PA	[illegible]
[illegible]	A, B	Selenium	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
[illegible]	A, B	Silver	NELAP	PA	[illegible]
[illegible]	A, B	Sodium	NELAP	PA	[illegible]
[illegible]	A, B	[illegible]	NELAP	PA	[illegible]
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[illegible]	A, B	Zinc	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	Mercury	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 016-001 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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
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[illegible]	A	[illegible]	NELAP	PA	[illegible]
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[illegible]	A	[illegible]	NELAP	PA	[illegible]
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[illegible]	A	[illegible]	NELAP	PA	[illegible]
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[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
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Laboratory Scope of Accreditation

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary Class	Effective Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 016-001 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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	VOCs	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
EPA 8260	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8260	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8260	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dichloroethene, total	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	[illegible]
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	[illegible]
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Isooctane)	NELAP	PA	[illegible]
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	[illegible]
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	[illegible]
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	[illegible]
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	[illegible]
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	[illegible]
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	[illegible]
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	[illegible]
EPA 8260	B, C, D	Acetone	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 048-001 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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	Toluene	NELAP	PA	[illegible]
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	[illegible]
EPA 8260	B, C, D	Trichlorofluoromethane (Freon-11)	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	Xylene (total)	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8260	B, C, D	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	SOCs by GC/MS	NELAP	PA	[illegible]
EPA 8270	[illegible]	SOCs by GC/MS	NELAP	PA	[illegible]
EPA 8270	E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]
EPA 8270	C, D, E	[illegible]	NELAP	PA	[illegible]

[illegible]

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.

Attached to Certificate of Accreditation 016-004 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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	[illegible]	1-Methylnaphthalene	NELAP	PA	[illegible]
EPA 8270	[illegible]	7,12-Dimethylbenz(a)anthracene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Acenaphthene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Acenaphthylene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Acetophenone	NELAP	PA	[illegible]
EPA 8270	[illegible]	Aniline	NELAP	PA	[illegible]
EPA 8270	[illegible]	Anthracene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Aramite	NELAP	PA	[illegible]
EPA 8270	[illegible]	Atrazine	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzaldehyde	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzidine	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzo(a)anthracene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzo(a)pyrene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzo(b)fluoranthene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzo(g,h,i)perylene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzo(k)fluoranthene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzoic acid	NELAP	PA	[illegible]
EPA 8270	[illegible]	Benzyl alcohol	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	Carbazole	NELAP	PA	[illegible]
EPA 8270	[illegible]	Caprolactam	NELAP	PA	[illegible]
EPA 8270	[illegible]	Chlorobenzilate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	[illegible]
EPA 8270	[illegible]	Cresols, total	NELAP	PA	[illegible]
EPA 8270	[illegible]	Di-n-butyl phthalate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Di-n-octyl phthalate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Diallate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Dibenz(a,h)anthracene	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible]	NELAP	PA	[illegible]
EPA 8270	[illegible]	Dibenzofuran	NELAP	PA	[illegible]
EPA 8270	[illegible]	Diethyl phthalate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Dimethoate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Dimethyl phthalate	NELAP	PA	[illegible]
EPA 8270	[illegible]	[illegible] (DNBP)	NELAP	PA	[illegible]
EPA 8270	[illegible]	Disulfoton	NELAP	PA	[illegible]
EPA 8270	[illegible]	Ethyl methanesulfonate	NELAP	PA	[illegible]
EPA 8270	[illegible]	Famphur	NELAP	PA	[illegible]
EPA 8270	[illegible]	Fluoranthene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Fluorene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Hexachlorobenzene	NELAP	PA	[illegible]
EPA 8270	[illegible]	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	[illegible]
EPA 8270	[illegible]	Hexachlorocyclopentadiene	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Laboratory Scope of Accreditation

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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	Matrices	Analyte	Accreditation Type	Primary State	Effective Date
[illegible]	C, D, I	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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pennsylvania
Department of Environmental Protection

Laboratory Scope of Accreditation

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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
[illegible]	C D E	[illegible]	NELAP	PA	[illegible]
[illegible]	C D E	[illegible]	NELAP	PA	[illegible]
[illegible]	C D E	[illegible]	NELAP	PA	[illegible]
[illegible]	C	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	B	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	D	[illegible]	NELAP	PA	[illegible]
[illegible]	I	[illegible]	NELAP	PA	[illegible]
[illegible]		pH	NELAP	PA	[illegible]
[illegible]	P	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
[illegible]	A	[illegible]	NELAP	PA	[illegible]
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[illegible]		[illegible]	NELAP	PA	[illegible]
[illegible]	J	[illegible]	NELAP	PA	[illegible]
[illegible]	B	[illegible]	NELAP	PA	[illegible]
[illegible]		[illegible]	NELAP	PA	[illegible]
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[illegible]		[illegible]	NELAP	PA	[illegible]

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DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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 (P.L. 596, No. 90) (27 Pa.C.S. §§ 4101 – 4113) and the environmental Laboratory Accreditation Regulations at 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 Department 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).

If you have any questions concerning your certificate, you may contact your laboratory's accreditation office Virginia Hunsberger at 717-346-8211 or vhunsberge@pa.gov.

Sincerely,

Annmarie Beach

Annmarie Beach, Chief
Laboratory Accreditation Program

Enclosures

APPENDIX B

Data Validation Summaries February-April 2021

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

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met.

Accuracy: Laboratory goals for accuracy were met with the exception of fluoride, as described in the qualification section below.

Sensitivity: 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.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: All holding time requirements were met in accordance with specific analytical methods.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of 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

						Analyses					
SDGs	***Field Identification***	***Collection Date***	***Lab Identification***	***Matrix***	***QC Samples***	**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

SDG	*Sample Name*	*Constituent*	*New Result*	*New RL or MDC*	*Qualifier*	*Reason*
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

Data Validation Summaries
August 2021

Quality Control Review of Analytical Data- Plant Scherer Ash Pond 1 (AP-1)
Submitted by Eurofins TestAmerica
August - October 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 August 17,2021 and October 18, 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 sensitivity (blank contamination, including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met, with the exception of chromium and sulfate.

Accuracy: Laboratory goals for accuracy were met with the exception of Radium-226, as described in the qualification section below.

Sensitivity: 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.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: All holding time requirements were met in accordance with specific analytical methods.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of 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.

UJ Non-detect, reporting limit is estimated.

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.

- Chromium (SGWC-18) and sulfate (SGWC-10) were qualified as J, estimated when the field duplicate relative percent difference was outside acceptable limits.
- The radium-226 results for samples SGWC-21, SGWC-22, SGWC-23, SGWC-15, SGWC-16, SGWC-19, SGWC-20 and SGWC-11 from SDG 180-125972-2 were qualified as UJ when the Laboratory Control Samples (LCSs) recoveries were below laboratory criteria.
- Certain radium-228 and total radium results in SDG 180-125972-2, 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 August 17,2021 and October 18, 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, November 2020, 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

						Analyses						
SDGs	***Field Identification***	***Collection Date***	***Lab Identification***	***Matrix***	***QC Samples***	**Field pH**	**Metals (ICP/MS) (EPA 6020B)**	**Anions (EPA 300.0)**	**Mercury (EPA 7470A)**	**TDS (SM 2540C)**	**Radium-226 (Method 9315)**	**Radium-228 (Method 9320)**
180-125972-1	SGWA-1	8/17/2021	180-125972-1	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-2	8/17/2021	180-125972-2	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-4	8/17/2021	180-125972-3	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-25	8/17/2021	180-125972-4	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-3	8/18/2021	180-126059-1	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-5	8/18/2021	180-126059-2	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-6	8/18/2021	180-126059-3	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-7	8/18/2021	180-126059-4	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-8	8/18/2021	180-126059-5	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-17	8/18/2021	180-126059-6	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-18	8/18/2021	180-126059-7	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-21	8/18/2021	180-126059-8	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-22	8/18/2021	180-126059-9	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-23	8/18/2021	180-126059-10	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWA-24	8/18/2021	180-126059-11	GW	-	X	X	X	X	X	-	-
180-125972-1	EB-5	8/18/2021	180-126059-12	WQ	EB (SGWC-6)	-	X	X	X	X	-	-
180-125972-1	EB-6	8/18/2021	180-126060-1	WQ	EB (SGWC-8)	-	X	X	X	X	-	-
180-125972-1	DUP-5	8/18/2021	180-126060-2	GW	FD (SGWC-18)	-	X	X	X	X	-	-
180-125972-1	FB-5	8/18/2021	180-126060-3	WQ	FB (SGWC-23)	-	X	X	X	X	-	-
180-125972-1	FB-6	8/18/2021	180-126060-4	WQ	FB (SGWA-4)	-	X	X	X	X	-	-
180-125972-1	SGWC-9	8/19/2021	180-126090-1	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-10	8/19/2021	180-126090-2	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-11	8/19/2021	180-126090-3	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-13	8/19/2021	180-126090-4	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-14	8/19/2021	180-126090-5	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-15	8/19/2021	180-126090-6	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-16	8/19/2021	180-126090-7	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-19	8/19/2021	180-126090-8	GW	-	X	X	X	X	X	-	-
180-125972-1	SGWC-20	8/19/2021	180-126090-9	GW	-	X	X	X	X	X	-	-
180-125972-1	EB-7	8/19/2021	180-126090-10	WQ	EB (SGWC-9)	-	X	X	X	X	-	-
180-125972-1	DUP-7	8/19/2021	180-126090-11	GW	FD (SGWC-10)	-	X	X	X	X	-	-
180-125972-1	FB-8	8/19/2021	180-126090-12	WQ	FB (SGWC-11)	-	X	X	X	X	-	-
180-125972-1	DUP-8	8/19/2021	180-126090-13	GW	FD (SGWC-14)	-	X	X	X	X	-	-
180-125972-1	SGWC-12	8/20/2021	180-126090-14	GW	-	X	X	X	X	X	-	-
180-125972-2	SGWA-1	8/17/2021	180-125972-1	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-2	8/17/2021	180-125972-2	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-4	8/17/2021	180-125972-3	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-25	8/17/2021	180-125972-4	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-3	8/18/2021	180-126059-1	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-5	8/18/2021	180-126059-2	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-6	8/18/2021	180-126059-3	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-7	8/18/2021	180-126059-4	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-8	8/18/2021	180-126059-5	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-17	8/18/2021	180-126059-6	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-18	8/18/2021	180-126059-7	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-21	8/18/2021	180-126059-8	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-22	8/18/2021	180-126059-9	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-23	8/18/2021	180-126059-10	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWA-24	8/18/2021	180-126059-11	GW	-	-	-	-	-	-	X	X
180-125972-2	EB-5	8/18/2021	180-126059-12	WQ	EB (SGWC-6)	-	-	-	-	-	X	X
180-125972-2	EB-6	8/18/2021	180-126060-1	WQ	EB (SGWC-8)	-	-	-	-	-	X	X
180-125972-2	DUP-5	8/18/2021	180-126060-2	GW	FD (SGWC-18)	-	-	-	-	-	X	X
180-125972-2	FB-5	8/18/2021	180-126060-3	WQ	FB (SGWC-23)	-	-	-	-	-	X	X
180-125972-2	FB-6	8/18/2021	180-126060-4	WQ	FB (SGWA-4)	-	-	-	-	-	X	X
180-125972-2	SGWC-9	8/19/2021	180-126090-1	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-10	8/19/2021	180-126090-2	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-11	8/19/2021	180-126090-3	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-13	8/19/2021	180-126090-4	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-14	8/19/2021	180-126090-5	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-15	8/19/2021	180-126090-6	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-16	8/19/2021	180-126090-7	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-19	8/19/2021	180-126090-8	GW	-	-	-	-	-	-	X	X
180-125972-2	SGWC-20	8/19/2021	180-126090-9	GW	-	-	-	-	-	-	X	X
180-125972-2	EB-7	8/19/2021	180-126090-10	WQ	EB (SGWC-9)	-	-	-	-	-	X	X
180-125972-2	DUP-7	8/19/2021	180-126090-11	GW	FD (SGWC-10)	-	-	-	-	-	X	X
180-125972-2	FB-8	8/19/2021	180-126090-12	WQ	FB (SGWC-11)	-	-	-	-	-	X	X
180-125972-2	DUP-8	8/19/2021	180-126090-13	GW	FD (SGWC-14)	-	-	-	-	-	X	X
180-125972-2	SGWC-12	8/20/2021	180-126090-14	GW	-	-	-	-	-	-	X	X
180-128779-1	GWC-10	10/18/2021	180-128779-1	GW	-	-	X	-	-	-	-	-
180-128779-1	GWC-1	10/18/2021	180-128779-2	GW	-	-	-	X	-	-	-	-
180-128779-1	DUP-1	10/18/2021	180-128779-3	GW	FD (GWC-10)	-	X	-	-	-	-	-
180-128779-1	EB-1	10/18/2021	180-128779-4	WQ	EB (GWC-1)	-	X	X	-	-	-	-
180-128310-1	GWC-19	10/7/2021	180-128310-1	GW	-	-	X	-	-	-	-	-
180-125776-1	FB-1	10/7/2021	180-128310-2	WQ	FB (GWC-19)	-	X	-	-	-	-	-

Abbreviations:

SDG- Sample Delivery Group
QC - Quality Control
GW - Groundwater
WQ - Water quality control
SM - Standard Method
FB - Field Blank
EB - Equipment Blank
FD - Field Duplicate
ICP/MS - Inductively Coupled Plasma/ Mass Spectrometry
TDS - Total Dissolved Solids

TABLE 2
Qualifier Summary Table
SCS Plant Scherer

SDG	*Sample Name*	*Constituent*	*New Result*	*New RL or MDC*	*Qualifier*	*Reason*
180-125972-1	SGWC-18	Chromium	-	-	J	Field duplicate outside acceptance criteria
180-125972-1	SGWC-10	Sulfate	-	-	J	Field duplicate outside acceptance criteria
180-125972-2	SGWA-1	Radium-228	-	0.492	U	Method blank contamination
180-125972-2	SGWA-4	Radium-228	-	1.490	U	Method blank contamination
180-125972-2	SGWA-4	Total Radium	-	1.54	U	Method blank contamination
180-125972-2	SGWC-21	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-22	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-23	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-24	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-9	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-10	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-11	Radium-226	-	-	UJ	LCS outside acceptance criteria
180-125972-2	SGWC-13	Radium-226	-	-	UJ	LCS outside acceptance criteria

Abbreviations:
RL : Reporting limit
MDC : Minimum detectable concentration
SDG : Sample delivery group
LCS: Laboratory Control Sample

Qualifiers:
J: Estimated
U: Non-detect
UJ: Non-detect, reportling limit estimated

APPENDIX C

WELL REPAIR MEMORANDUM AND WELL CONDITION ASSESSMENT FORMS

GOLDER
MEMBER OF WSP

TECHNICAL MEMORANDUM

DATE January 27, 2022

TO Joju Abraham, PG
Southern Company Services

CC Ben Hodges, Georgia Power Company

FROM Golder Associates USA Inc.

PLANT SCHERER ASH POND 1 – WELL MAINTENANCE AND REPAIR DOCUMENTATION
GEORGIA POWER COMPANY

Golder Associates USA Inc. (Golder) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Scherer Ash Pond 1 during the annual reporting period. Repairs and maintenance were completed in accordance with 12-5-134 (5)(D)vii of the Georgia Well Standards Act (1985) for routine visual inspections of groundwater monitoring wells (i.e., at least once every five years) under the direction of a Georgia licensed professional engineer or geologist.

Plant Scherer Ash Pond 1 – Well Maintenance Summary

Well ID	Date Performed	Maintenance/Repair Performed
SGWA-3	01/2022	Vegetation cleared to improve access and visibility
SGWC-6	01/2022	Vegetation cleared to improve access and visibility
SGWC-7	01/2022	Repaired protective casing lid; Vegetation cleared to improve access and visibility
SGWC-8	01/2022	Vegetation cleared to improve access and visibility
SGWC-9	01/2022	Vegetation cleared to improve access and visibility
SGWC-10	01/2022	Vegetation cleared to improve access and visibility
SGWC-11	01/2022	Replaced casing latch
SGWC-13	01/2022	Replaced casing latch
SGWC-20	01/2022	Lock replaced; replaced casing latch
PZ-10S	01/2022	Vegetation cleared to improve access and visibility
PZ-11S	01/2022	Vegetation cleared to improve access and visibility
PZ-31i	01/2022	Vegetation cleared to improve access and visibility

Golder Associates USA Inc.
5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341 T: +1 770 496-1893 F: +1 770 934-9476

Well ID	Date Performed	Maintenance/Repair Performed
PZ-32S	01/2022	Vegetation cleared to improve access and visibility
PZ-32D	01/2022	Vegetation cleared to improve access and visibility
PZ-36i	01/2022	Vegetation cleared to improve access and visibility
PZ-36S	01/2022	Vegetation cleared to improve access and visibility
PZ-47D	01/2022	Bollards installed; vegetation cleared to improve access and visibility
PZ-49S	01/2022	Vegetation cleared to improve access and visibility
PZ-55	01/2022	Vegetation cleared to improve access and visibility

Golder Associates USA Inc.

Dawn L. Prell
Senior Consultant, Hydrogeologist

Rachel P. Kirkman, PG
Senior Consultant, Principal

Attachments: Photo Documentation

https://golderassociates.sharepoint.com/sites/24912g/project files/300 field information/2021/08_2021 semi-annual/water level + well condition/well condition/schap1_well mainentance repair memo 12.2021.docx

Southern Company CFS
Plant Scherer Jan. 2022 Well O&M (Jan. 6th)

Scherer AP1:

SGWC-7 – Replaced protective cover lid.

SGWC-11 and SGWC-13 – Hinge bent so protective cover would not close. Repaired protective cover hinge.

Southern Company

Southern Company CFS
Plant Scherer Jan. 2022 Well O&M (Jan. 6th)

SGWC-20 – Protective cover latch was bent and rusted. Straightened latch and cleaned off rust.

PZ-47D – Bollards added

Southern Company

Southern Company CFS
Plant Scherer Jan. 2022 Well O&M (Jan. 6th)

Cleaned off well pad and trimmed weeds from:

- SGWA-3
- SGWC-6
- SGWC-8
- SGWC-9
- SGWC-10
- PZ-10S
- PZ-11S
- PZ-31I
- PZ-32S
- PZ-32D
- PZ-36S
- PZ-36I
- PZ-49S
- PZ-55

Southern Company

APPENDIX C

Well Inspection Form
February 2021

WELL INSPECTION FORM
PLANT SCHERER

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
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

Inspected by: A. McClure, K. Minkara, D. Thomas, and J. Waguespack
Date: 2/8/2021

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	**LOCATION / IDENTIFICATION** 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**	**PROTECTIVE CASING** 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**	**SURFACE PAD** 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**	**INTERNAL CASING** 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 presssure 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**	**SAMPLING (Groundwater Wells Only)** 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**
SITE PIEZOMETERS	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 ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
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 ↑ or ↓	**LOCATION / IDENTIFICATION** 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**	**PROTECTIVE CASING** 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**	**SURFACE PAD** 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**	**INTERNAL CASING** 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 presssure 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**	**SAMPLING (Groundwater Wells Only)** 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**
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 C

Well Inspection Form
March-April 2021

WELL INSPECTION FORM
PLANT SCHERER

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
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

Inspected by: A. McClure, K. Minkara, D. Thomas, and J. Waguespack
Date: 3/29/2021

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
SITE PIEZOMETERS	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 ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
SITE PIEZOMETERS	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

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
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 C

Well Inspection Form
August 2021

WELL INSPECTION FORM
PLANT SCHERER

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	LOCATION / IDENTIFICATION 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**	PROTECTIVE CASING 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**	SURFACE PAD 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**	INTERNAL CASING 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 presssure 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**	SAMPLING (Groundwater Wells Only) 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**
AP-1	SGWA-1	↑	S	S	S	S	S
	SGWA-2	↑	S	S	S	S	S
	SGWA-3	↑	(a) access path overgrown	S	(e) overgrown	S	S
	SGWA-4	↑	S	S	(e) overgrown	S	S
	SGWA-5	↑	S	S	S	S	S
	SGWC-6	↓	S	S	(e) overgrown	S	S
	SGWC-7	↓	S	(d) cap not connected	(e) overgrown	S	S
	SGWC-8	↓	S	S	(e) overgrown	S	S
	SGWC-9	↓	S	S	(e) overgrown	S	S
	SGWC-10	↓	S	S	(e) overgrown	S	S
	SGWC-11	↓	S	(d) rusted latch	S	S	S
	SGWC-12	↓	S	S	S	S	S
	SGWC-13	↓	S	(d) rusted latch	(c) 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	S
	SGWC-19	↓	S	S	S	S	S
	SGWC-20	↓	S	(d) needs new lock. Rusted hinge	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

Inspected by: J. Waguespack, E. Rheams, D. Cox, N. Tejeda, C. Tidwell, and A. Mcclure
Date: 8/16/2021

CCR Unit	WELL-ID	MONITORING WELL POSITION ↑ or ↓	**LOCATION / IDENTIFICATION** 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**	**PROTECTIVE CASING** 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**	**SURFACE PAD** 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**	**INTERNAL CASING** 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 presssure 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**	**SAMPLING (Groundwater Wells Only)** 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**
SITE PIEZOMETERS	PZ-2i	--	S	S	S	S	S
	PZ-3S	--	S	S	S	S	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	(e) overgrown	S	S
	PZ-11S	--	S	S	(e) overgrown	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	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 ↑ or ↓	**LOCATION / IDENTIFICATION** 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**	**PROTECTIVE CASING** 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**	**SURFACE PAD** 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**	**INTERNAL CASING** 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 presssure 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**	**SAMPLING (Groundwater Wells Only)** 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**
SITE PIEZOMETERS	PZ-31i	--	S	S	(e) overgrown	S	S
	PZ-32S	--	S	S	(e) overgrown	S	S
	PZ-32D	--	(a) access path overgrown	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	(e) overgrown	S	S
	PZ-36S	--	S	S	(e) overgrown	S	S
	PZ-37i	--	S	S	S	S	S
	PZ-38i	--	S	S	S	S	S
	PZ-39S	--	(a) access path blocked by log pile	S	S	S	S
	PZ-40i	--	S	S	S	S	S
	PZ-41S	--	S	S	S	S	S
	PZ-42i	--	S	S	S	S	S
	PZ-43S	--	S	S	S	S	S
	PZ-44i	--	S	S	S	S	S
	PZ-45D	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-46D	--	S	S	S	S	S
	PZ-47D	--	(a) access path overgrown	S	(e) overgrown; no bollards	S	S
	PZ-48S	--	S	S	S	S	S
	PZ-49S	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-49D	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-50D	--	S	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 ↑ or ↓	**LOCATION / IDENTIFICATION** 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**	**PROTECTIVE CASING** 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**	**SURFACE PAD** 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**	**INTERNAL CASING** 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 presssure 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**	**SAMPLING (Groundwater Wells Only)** 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**
SITE PIEZOMETERS	PZ-53	--	S	S	S	S	S
	PZ-54	--	S	S	(c) ants on pad	S	S
	PZ-55	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-56	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-57	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-58	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-59S	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-59D	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-60S	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-60D	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-61	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-62	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-63	--	S	S	S	S	S
	PZ-64	--	S	S	S	S	S
	PZ-65	--	(a) access path overgrown	S	(e) overgrown	S	S
	PZ-66	--	(a) access path overgrown	S	(e) overgrown	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
	SG-1	--	(a) access path overgrown	S	S	S	S
	SG-2	--	(a) access path overgrown	S	S	S	S
	SG-3	--	(a) access path overgrown	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 D

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.

Dawn L. Prell
Hydrogeologist, Senior Consultant

Rachel P. Kirkman, PG
Principal and Senior Consultant

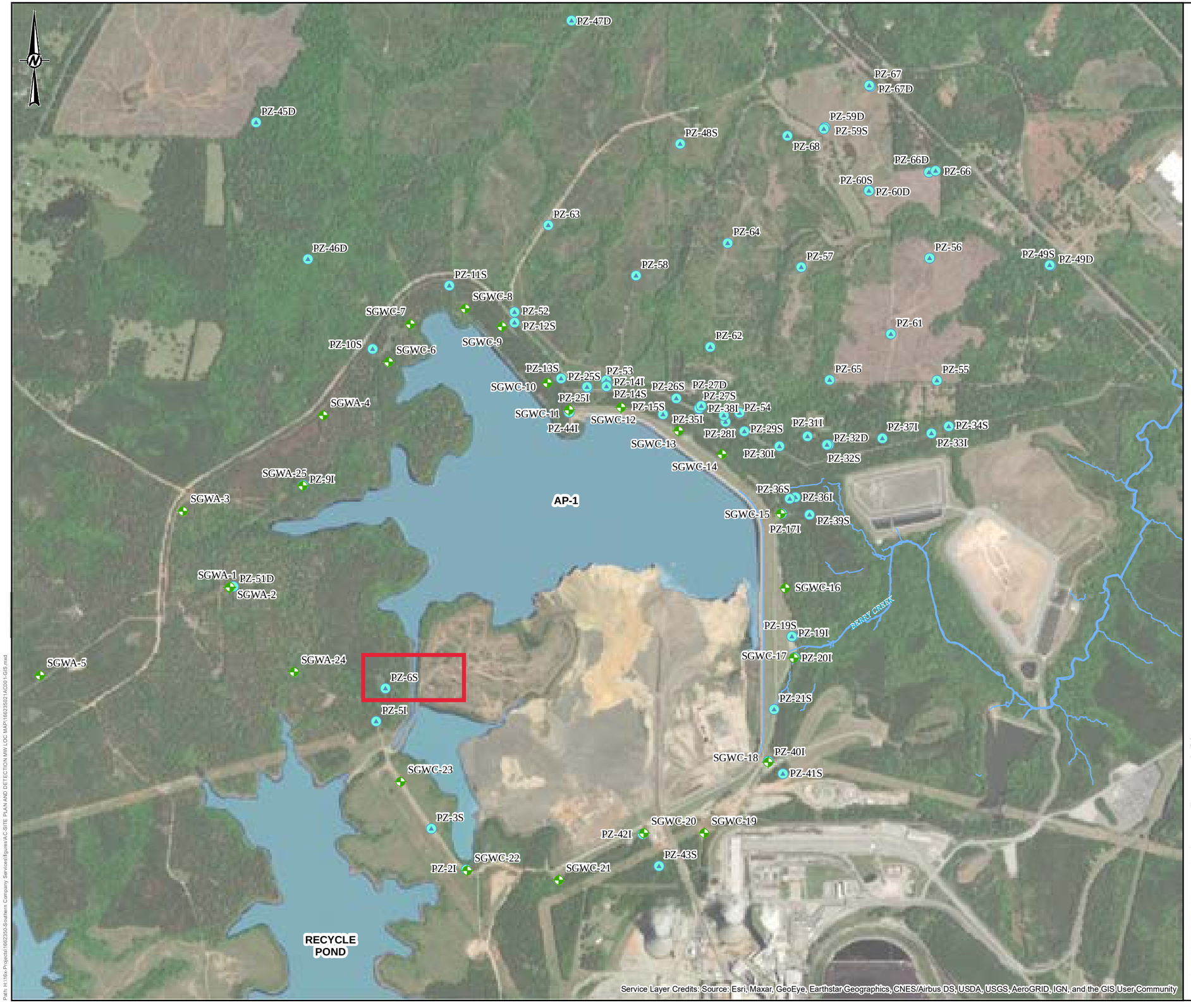
CC: Georgia Power Company - Plant Branch
Ben Hodges, PG, Georgia Power Company

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

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.

1250 625 0 1250
Feet

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
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2021-06-15
PREPARED	DJC
DESIGN	DLP
CHECKED	DLP
REVIEW/APPROVED	RPK

PROJECT No.	CONTROL	Rev.	FIGURE
166235021	166235021AC001-GIS.mxd	0	1

Path: H:\16x-Projects\166235021-Southern Company Services\Figures\AC-SITE PLAN AND DETECTION MW LOC MAP\166235021AC001-GIS.mxd

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

APPENDIX A

DRILLING BOND, PIEZOMETER ABANDONMENT LOG OF PZ-06S AND PHOTOGRAPHS OF PIEZOMERTER ABADONMENT PZ-06S

CONTINUATION
CERTIFICATE

SAFECO Insurance Company of America ..Surety upon

a certain Bond No. 4993184

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

S-0157/GE 6/98

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.

Liberty Mutual. SURETY

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

Certificate No: [illegible]

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, Allen B. Ferris; Anna Childress; Jeffrey M. Wilson; Mark W. Edwards II; Richard H. Mitchell; Robert R. Ford; Sam Austin; 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: 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.

By: Teresa Pastella, Notary Public

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.

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 attorneys-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 execution of any such instruments and to attach thereto the seal of the Corporation. When so 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 [illegible] day of [illegible], 2021.

By: Renee C. Llewellyn, Assistant Secretary

LMS-[illegible]

GOLDER
MEMBER OF WSP

WELL ABANDONMENT DOCUMENTATION

GENERAL INFORMATION

Project Name:	Plant Scherer AP-1	**Inspector**	J. Waguespack	**Well ID**	PZ-06S
Project Number	166235021	**Weather**	Partly Cloudy	**Started**	7/7/2021
Drilling Company	SCS-Civil Field Services	**Temperature**	82/69 F	**Completed**	7/7/2021
Client Name:	Georgia Power Company	**Driller**	Sean Denty		

WELL CONSTRUCTION INFORMATION

Well Depth (ft btoc)	56.82			**Screen Type**	PVC (SCH 40)-prepack
Well Casing Dia.	2-inch			**Slot Size (in.)**	0.01
Casing Type	PVC	**LF.**	46.8	**Pack Type & Size**	Unimin FilterSil - #1A
Joint Type	Flush Joint			**Seal Type**	Cement-bentonite
Well Screen Dia.	2-inch	**LF.**	10	**Coordinates**	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 suface	
	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
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2020-03-20
PREPARED	DJC
DESIGN	dlp
CHECKED	DLP
REVIEW/APPROVED	rpk

PROJECT
PIEZOMETER PZ-06S ABANDONEMNT REPORT
PLANT SCHERER ASH POND AP-1

TITLE
PHOTOGRAPHS OF PIEZOMETER ABANDONMENT
PZ-06S

PROJECT No.	Rev.	FIGURE
166849621	0	A

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APPENDIX E

STATISTICAL ANALYSES

APPENDIX E

Statistical Analyses March-April 2021

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: Apppendix 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.	Transform	Alpha	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	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-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

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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
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-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
Boron, total (mg/L)	**SGWC-18**	**0.5525**	**82**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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
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)	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
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-18	6.487	31	58	No	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-21	1.647	46	58	No	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**
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
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)	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
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-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
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-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
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-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
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-8	-0.5011	-41	-58	No	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-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

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
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)	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
Fluoride, total (mg/L)	**SGWC-20**	**-0.0263**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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
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)	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
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-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
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-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
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**
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
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**27.37**	**91**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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

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)

SCHERER ASH POND GWPS					
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**Federal GWPS**	**State GWPS**
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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
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)
Cobalt (mg/L)	**SGWC-10**	**0.03201**	**0.0216**	**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
Cobalt (mg/L)	**SGWC-11**	**0.02885**	**0.02241**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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.
Cobalt (mg/L)	**SGWC-15**	**0.2765**	**0.2595**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)
Cobalt (mg/L)	**SGWC-18**	**0.1586**	**0.1168**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2203**	**0.1607**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
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)
Cobalt (mg/L)	**SGWC-10**	**0.03201**	**0.0216**	**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
Cobalt (mg/L)	**SGWC-11**	**0.02885**	**0.02241**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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.
Cobalt (mg/L)	**SGWC-15**	**0.2765**	**0.2595**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)
Cobalt (mg/L)	**SGWC-18**	**0.1586**	**0.1168**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2203**	**0.1607**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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

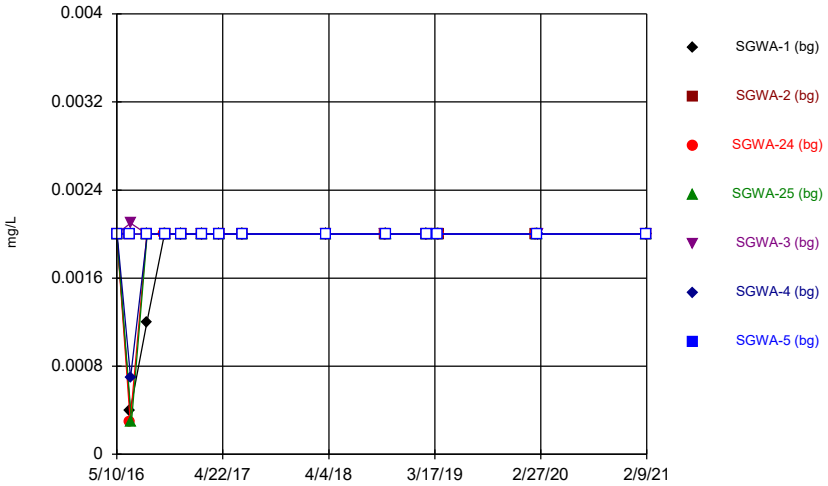
Plant Scherer Client: Southern Company Data: Scherer AP Printed 6/3/2021, 11:40 AM

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.

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

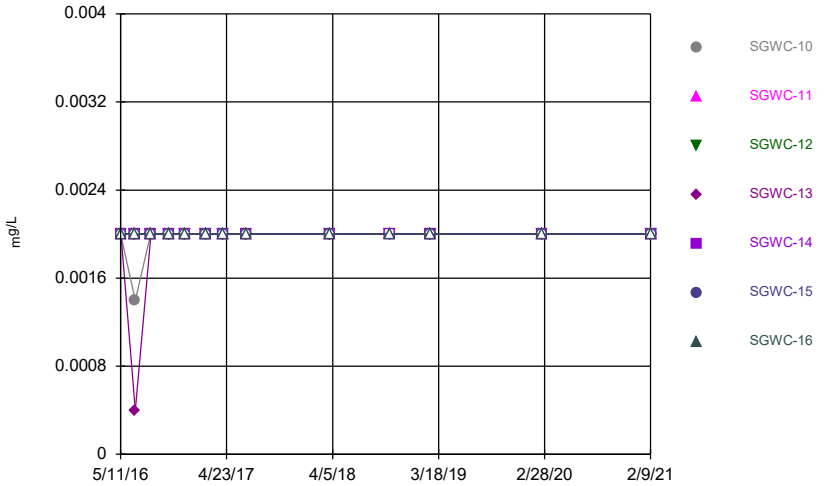
Time Series



Constituent: Antimony Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

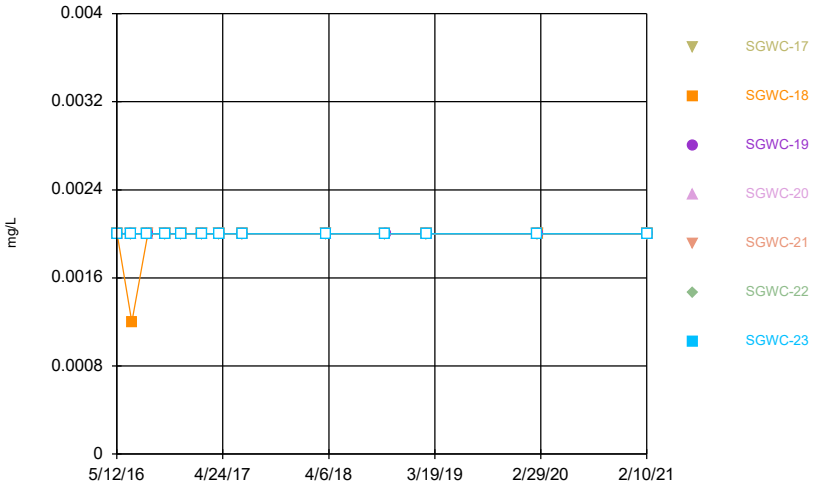
Time Series



Constituent: Antimony Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

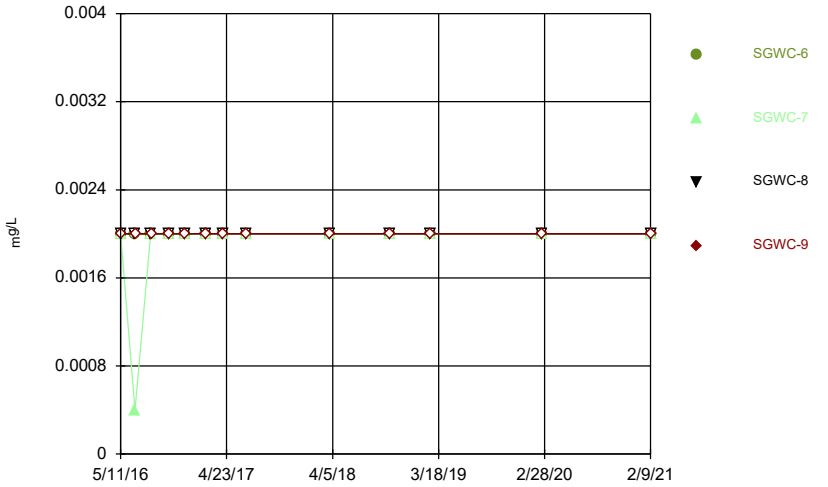
Time Series



Constituent: Antimony Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

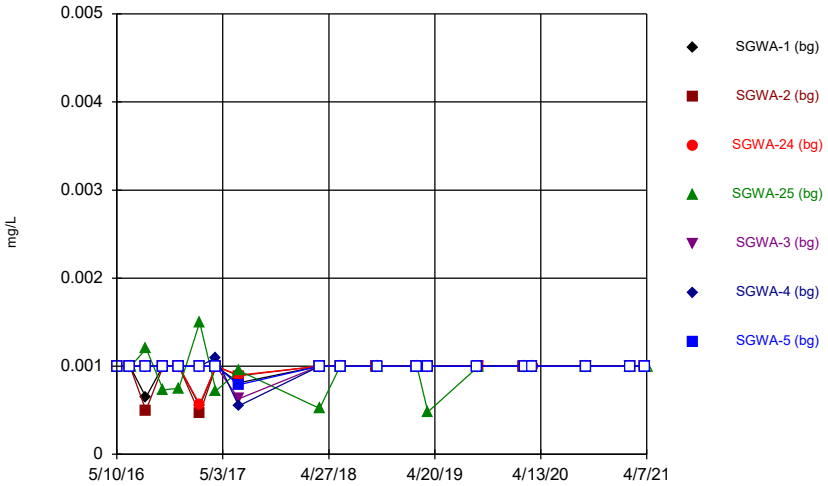
Time Series



Constituent: Antimony Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

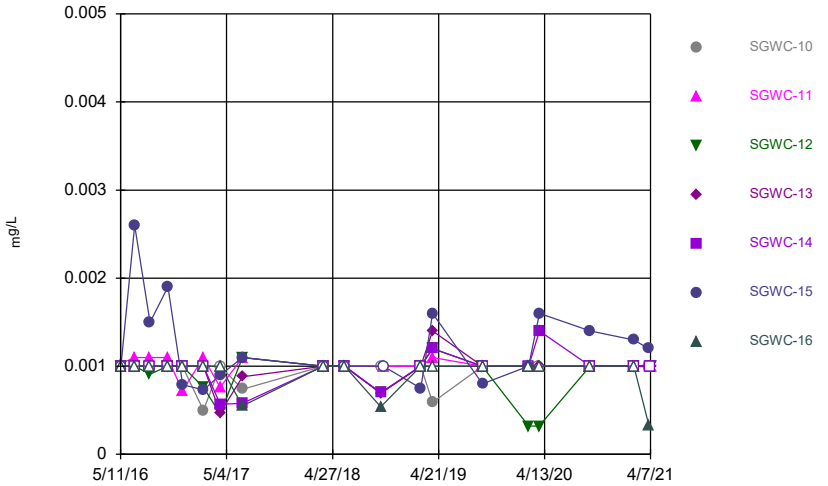
Time Series



Constituent: Arsenic Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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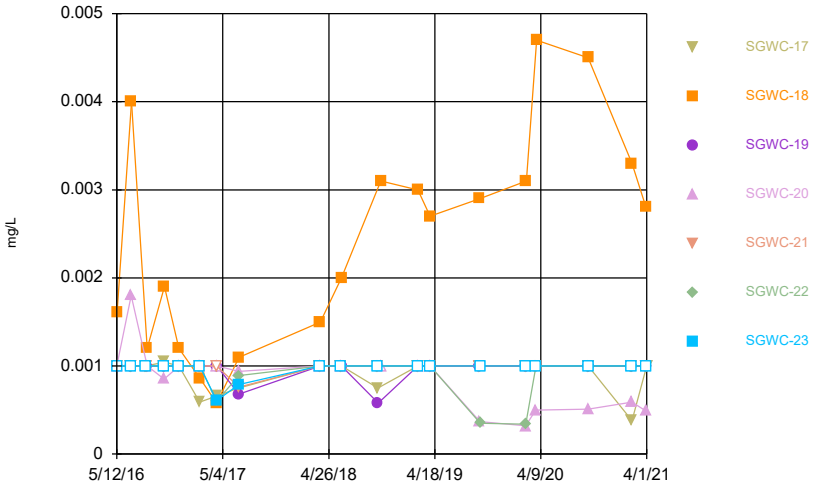
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

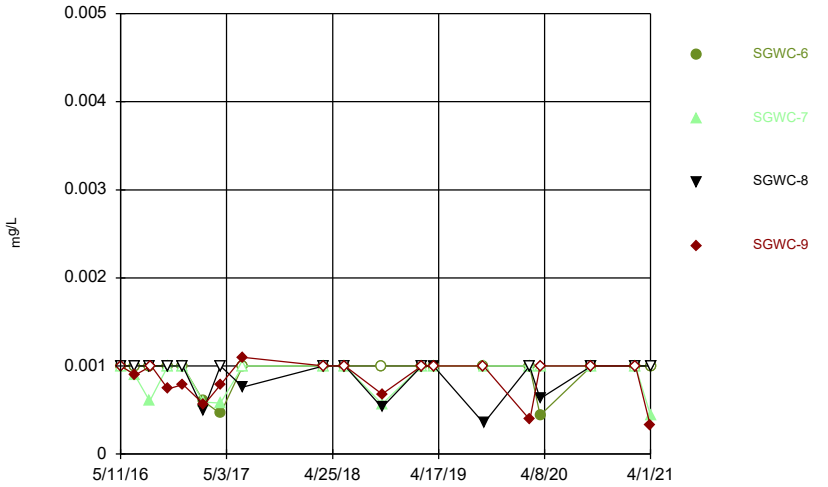
Time Series



Constituent: Arsenic Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

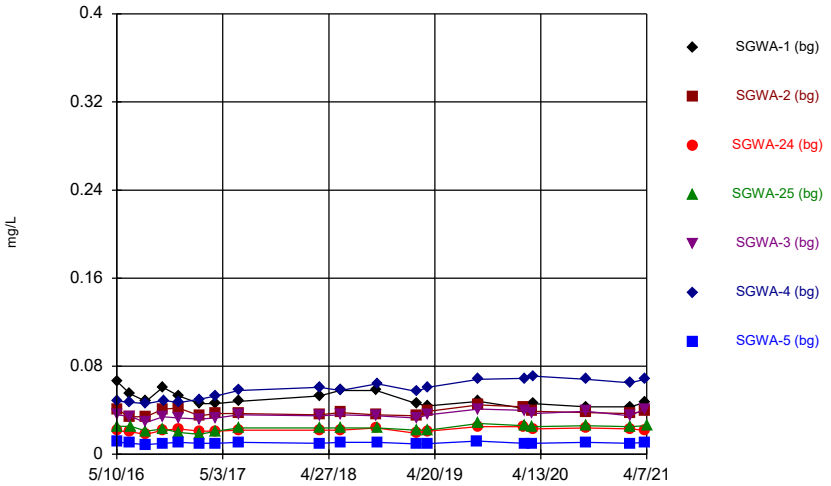
Time Series



Constituent: Arsenic Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

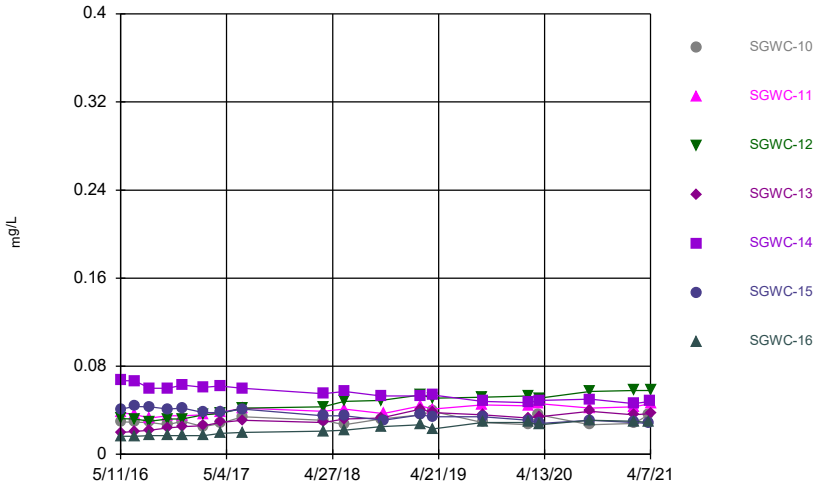


Constituent: Barium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

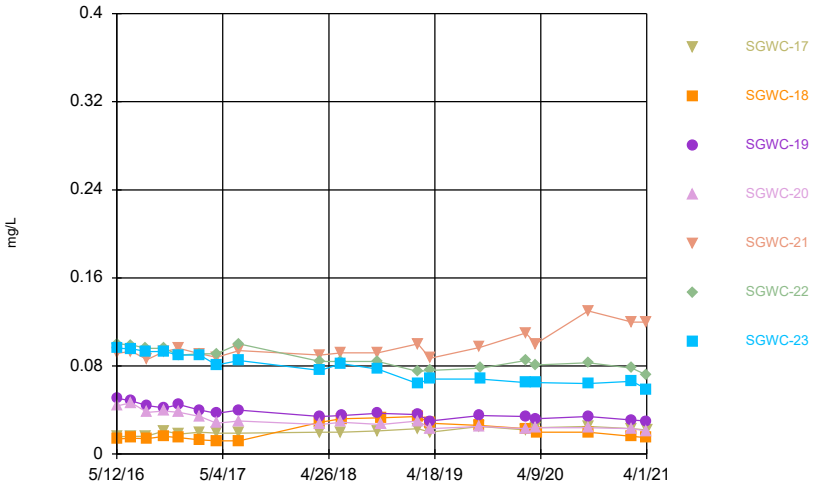


Constituent: Barium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

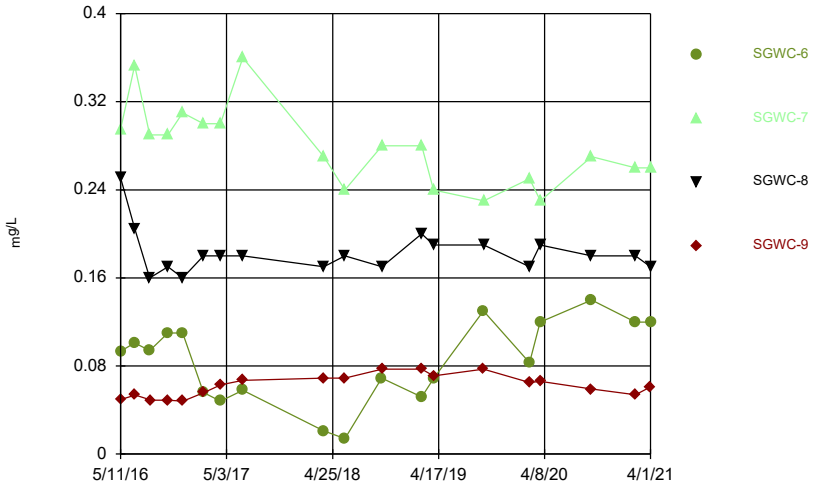


Constituent: Barium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

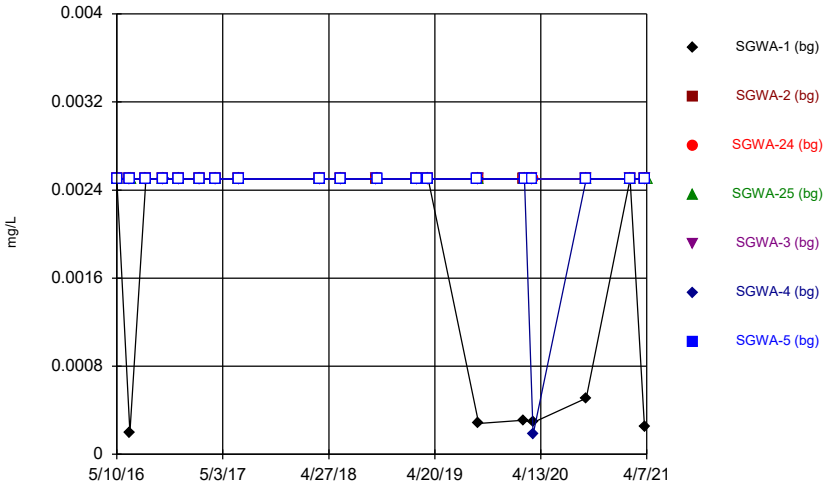


Constituent: Barium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

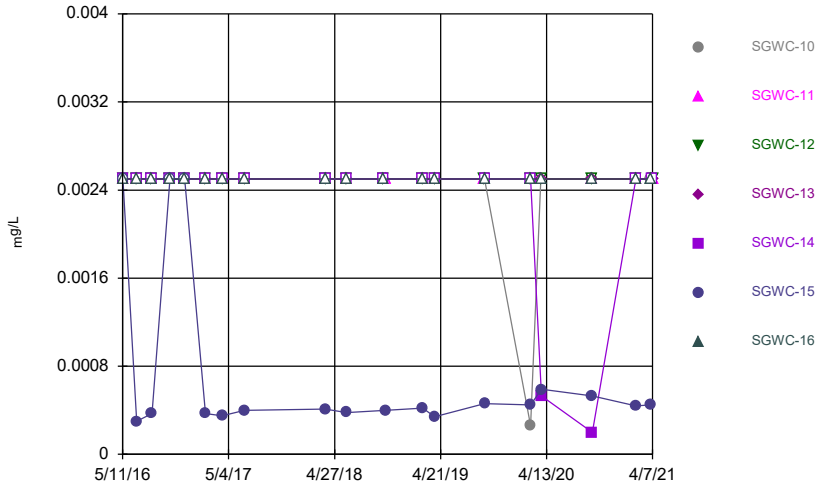
Time Series



Constituent: Beryllium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

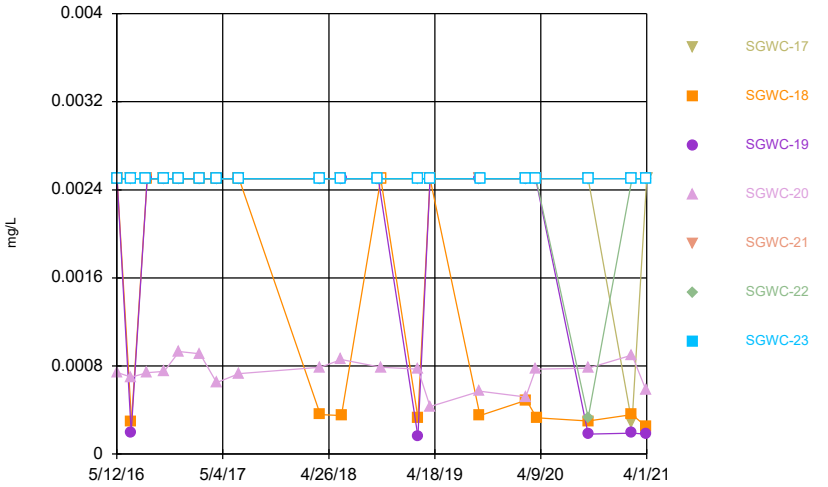
Time Series



Constituent: Beryllium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

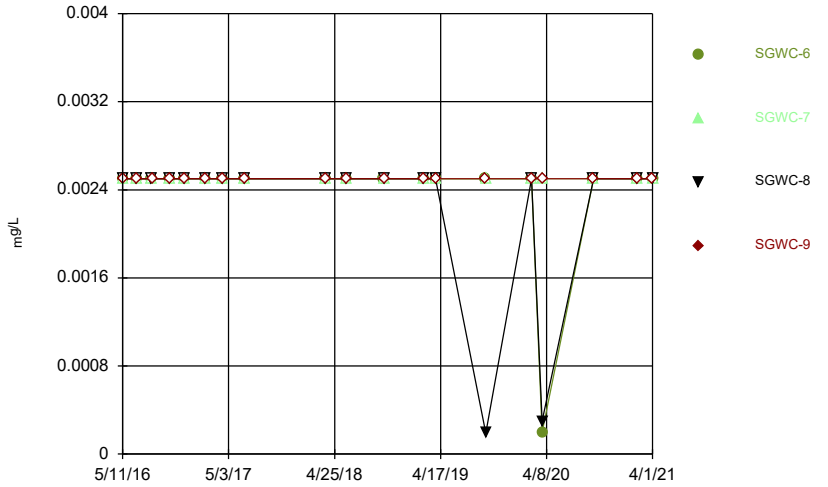
Time Series



Constituent: Beryllium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

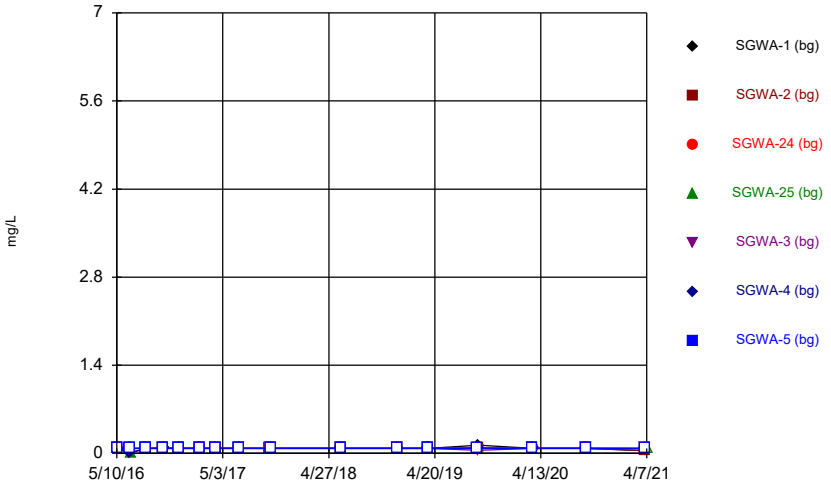
Time Series



Constituent: Beryllium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

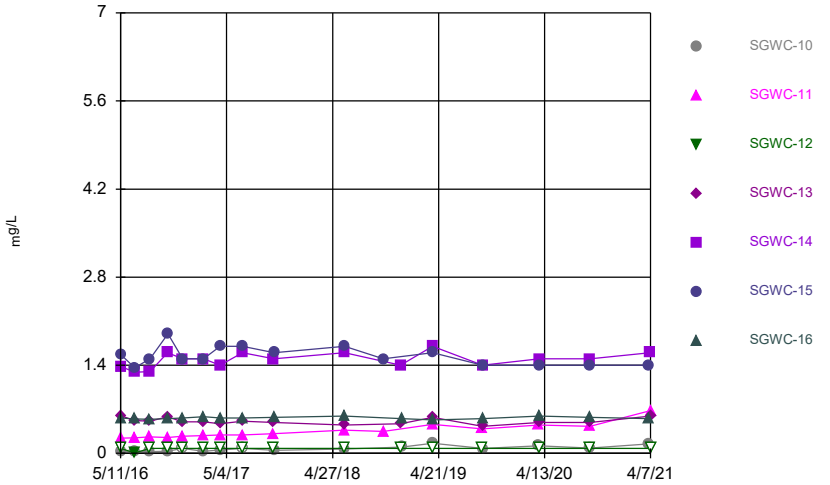
Time Series



Constituent: Boron, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

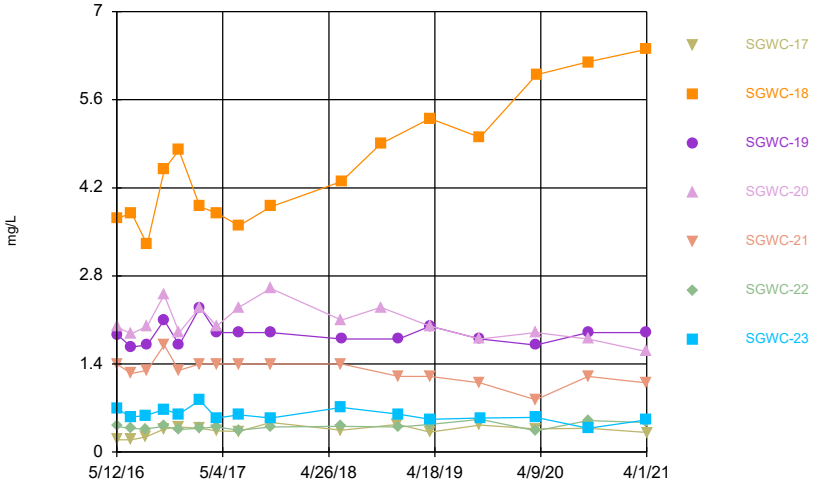
Time Series



Constituent: Boron, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Boron, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
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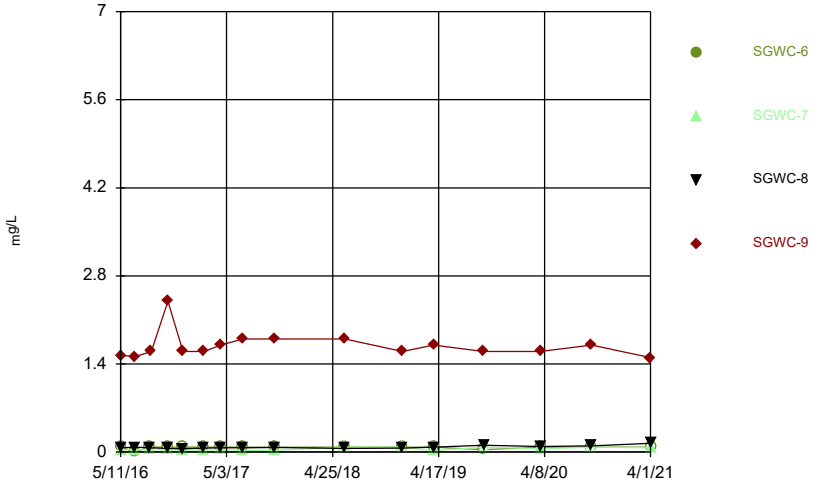
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
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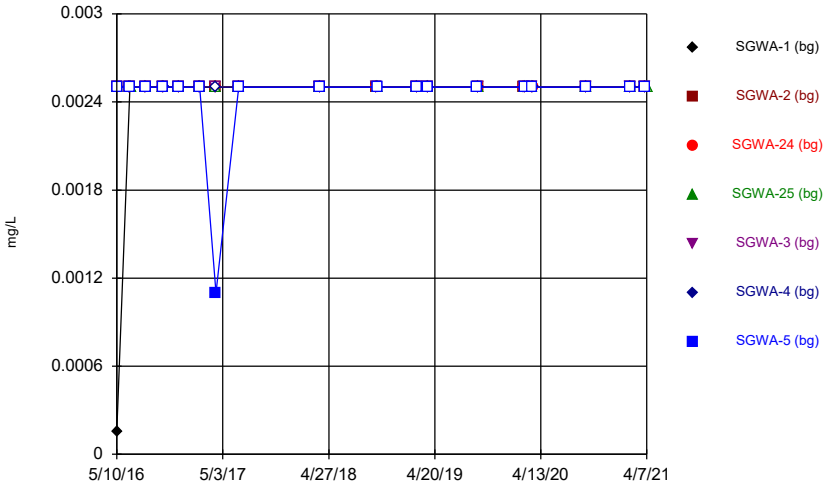
Hollow symbols indicate censored values.

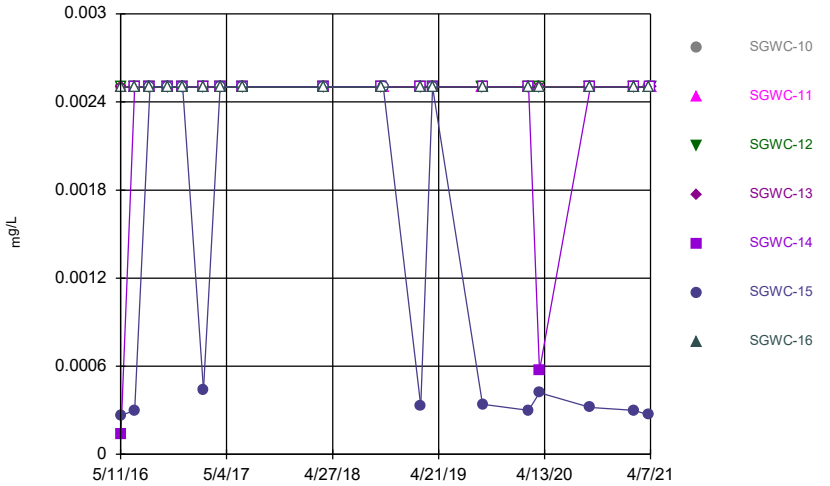
Time Series



Constituent: Cadmium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
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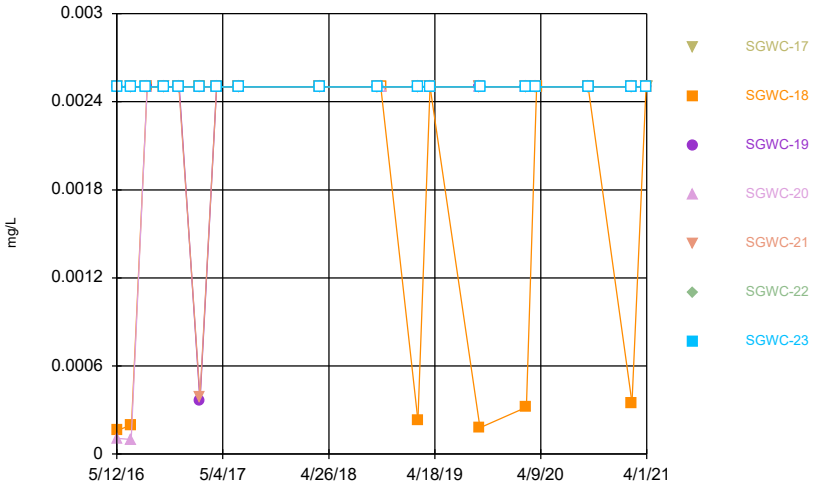
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
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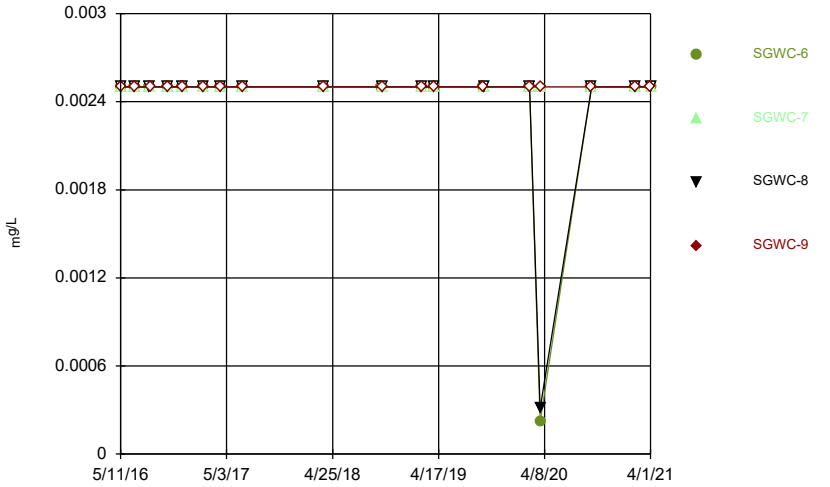
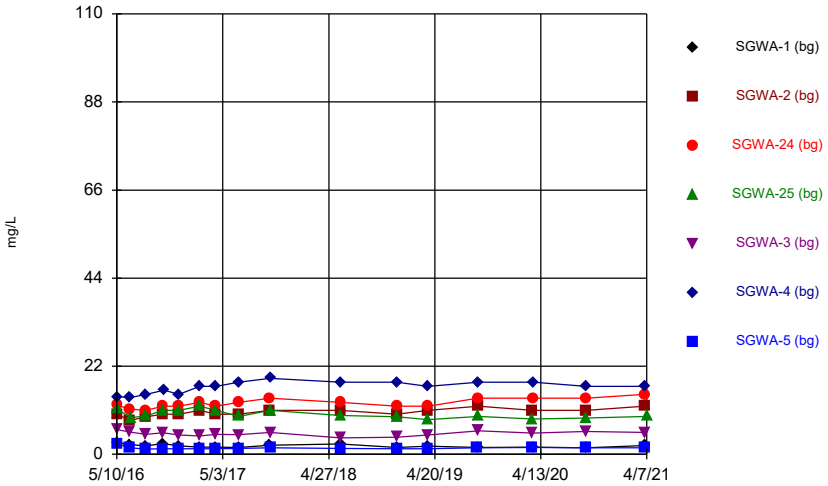
Time Series



Constituent: Cadmium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

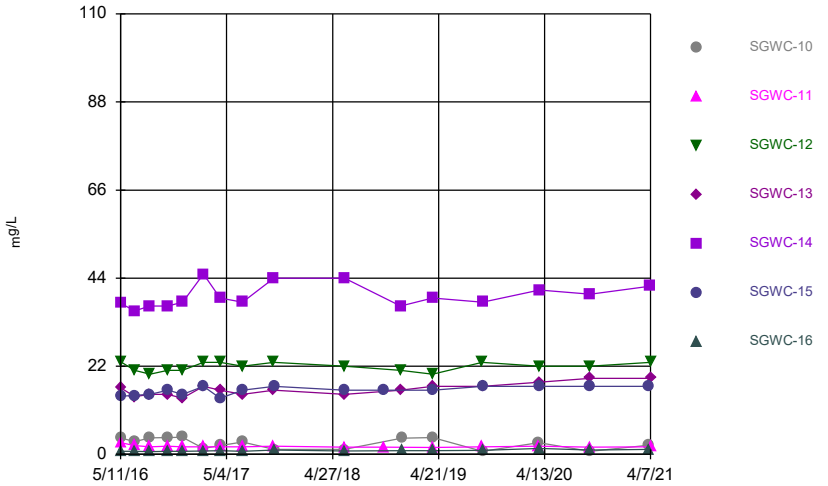
Time Series



Constituent: Calcium, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Calcium, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
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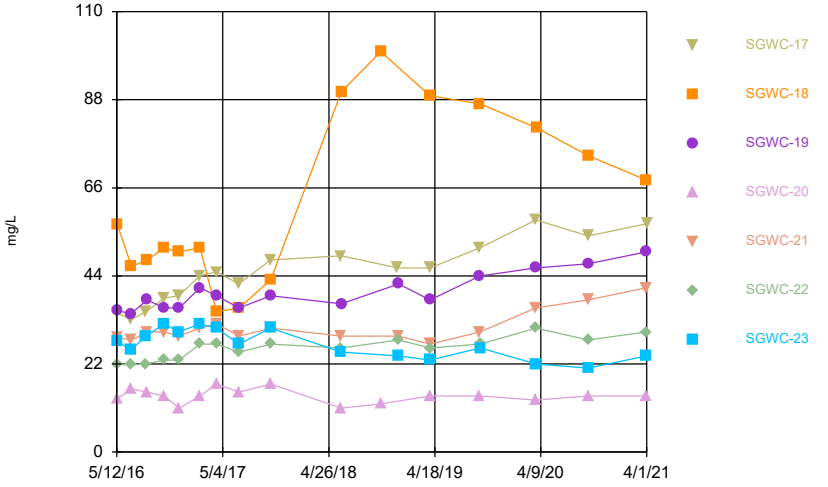
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Calcium, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
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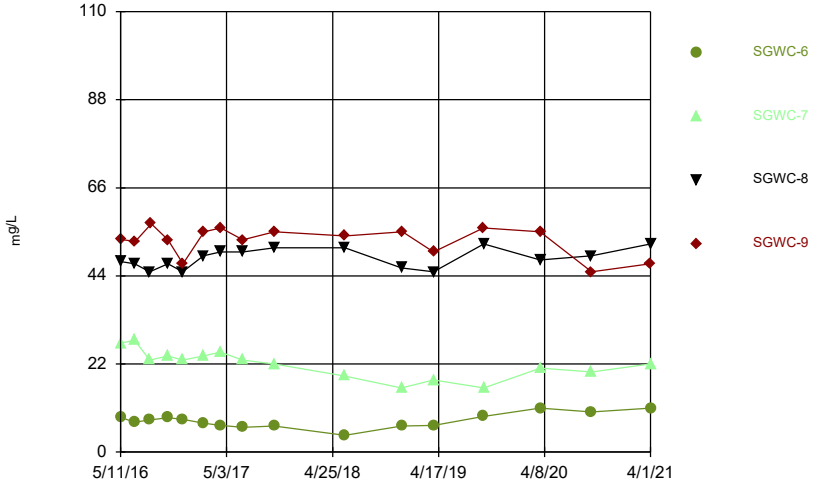
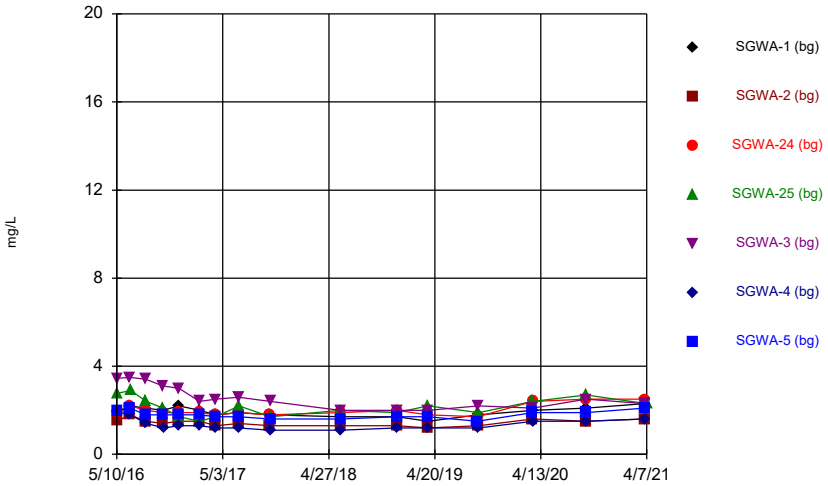
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Calcium, total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

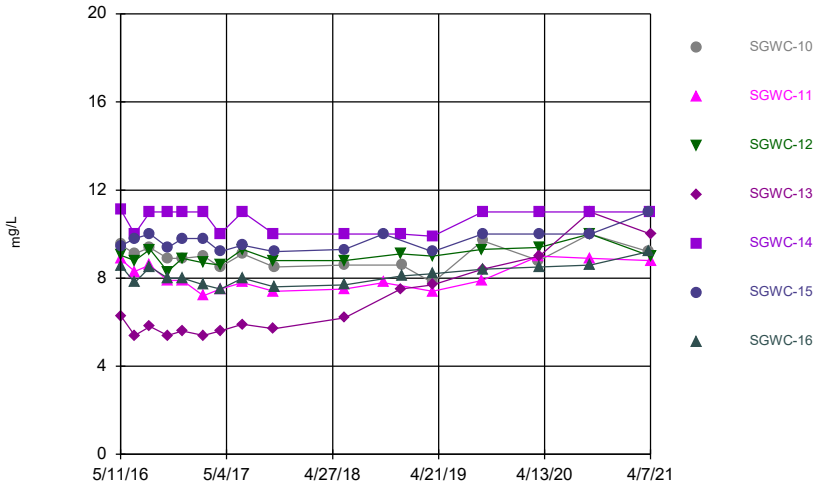
Time Series



Constituent: Chloride, Total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

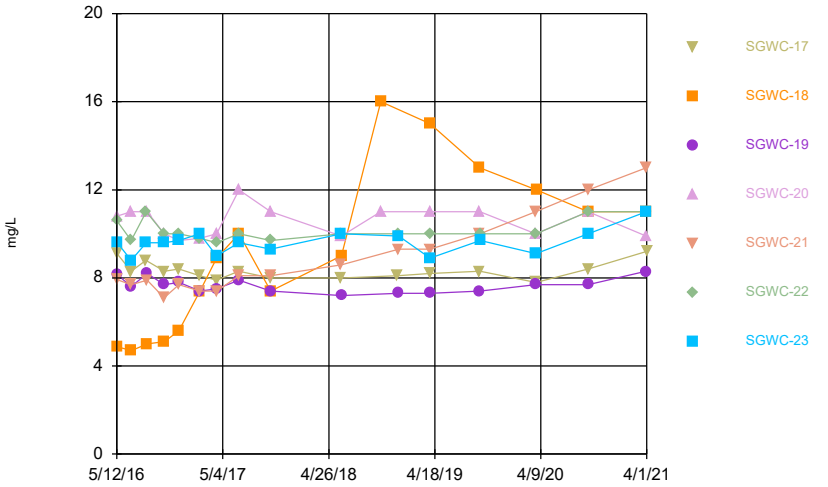
Time Series



Constituent: Chloride, Total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

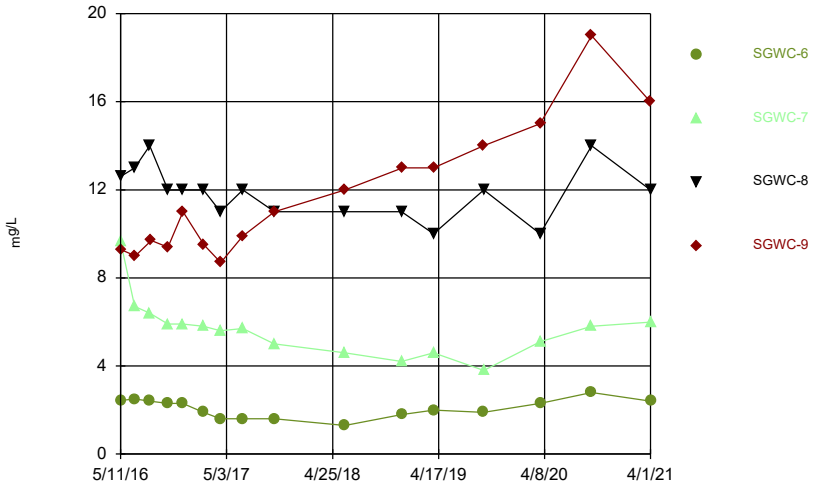
Time Series



Constituent: Chloride, Total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

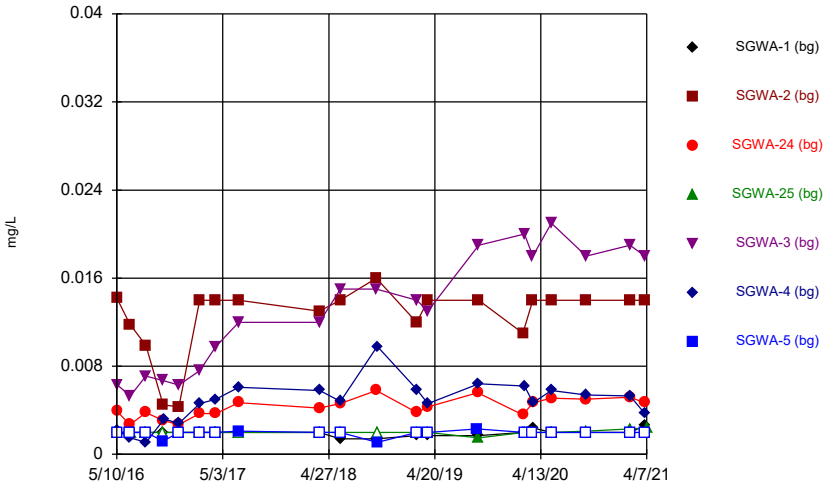
Time Series



Constituent: Chloride, Total Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

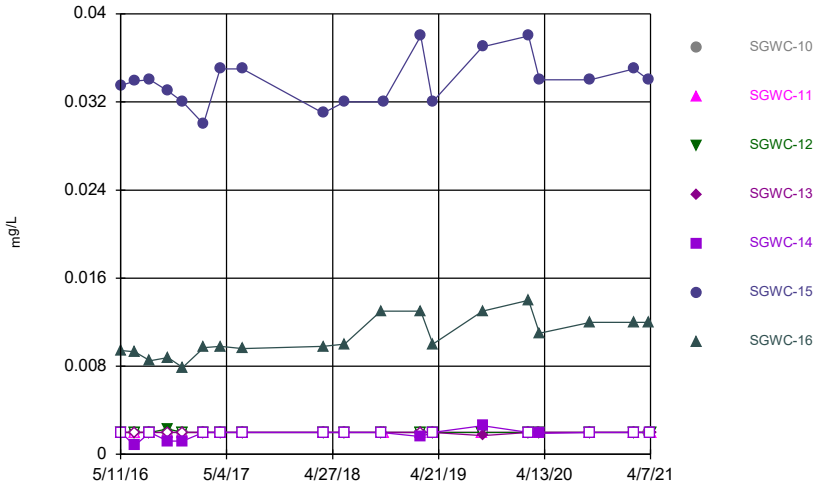
Time Series



Constituent: Chromium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

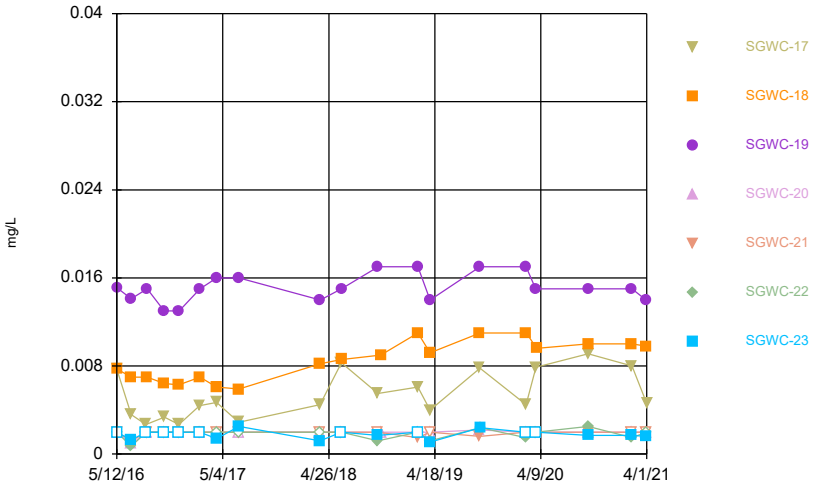
Time Series



Constituent: Chromium Analysis Run 5/26/2021 9:01 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

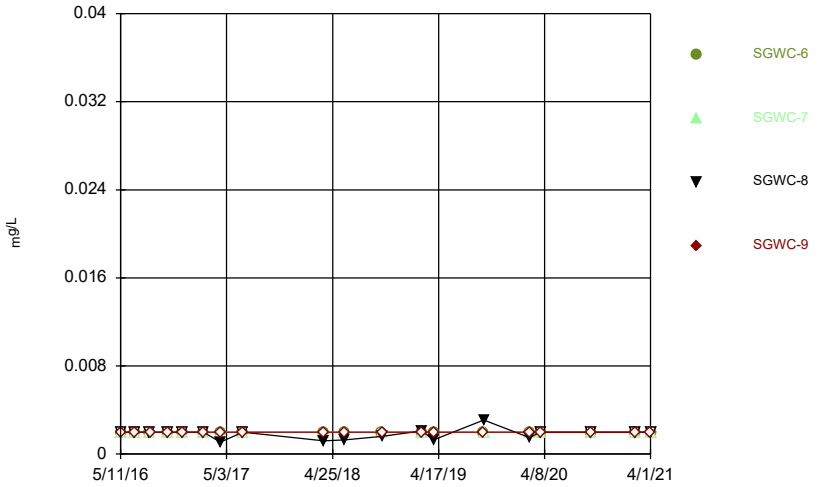
Time Series



Constituent: Chromium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

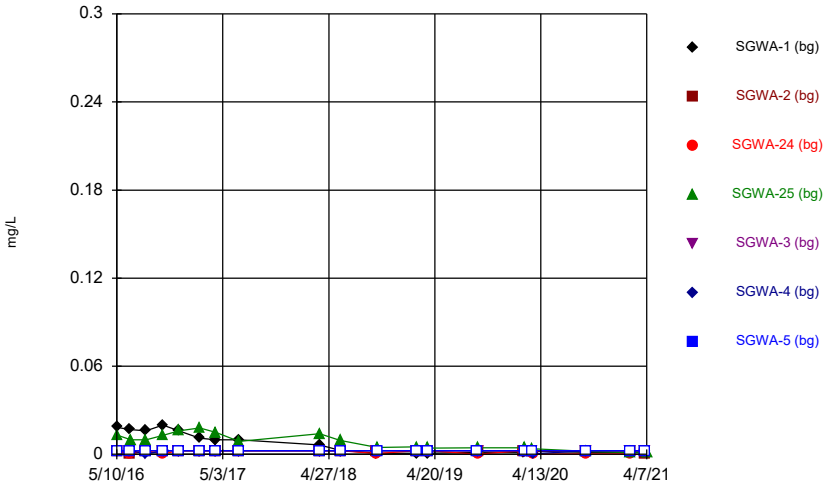
Time Series



Constituent: Chromium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

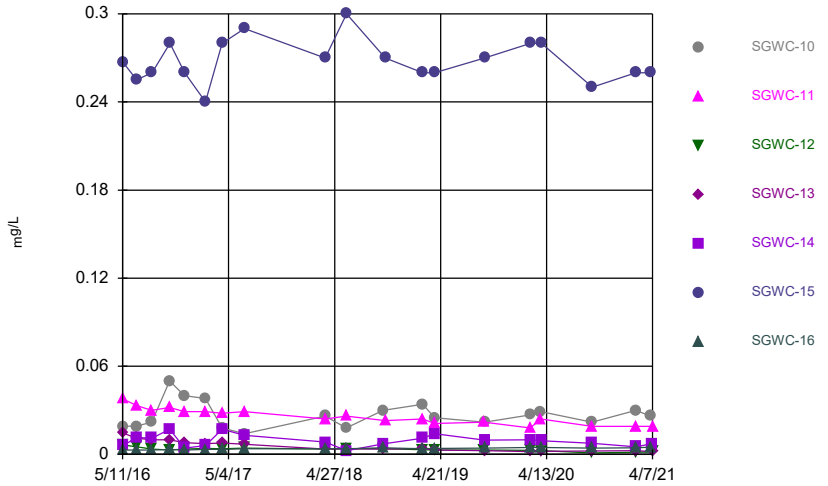
Time Series



Constituent: Cobalt Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

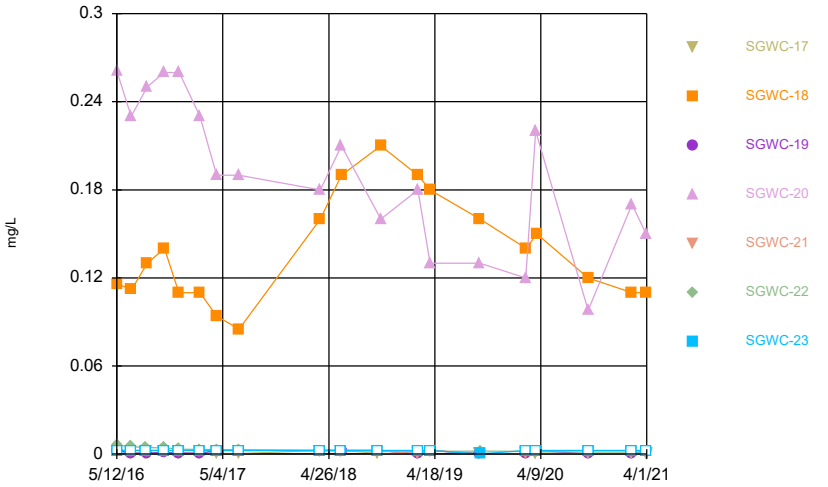
Time Series



Constituent: Cobalt Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
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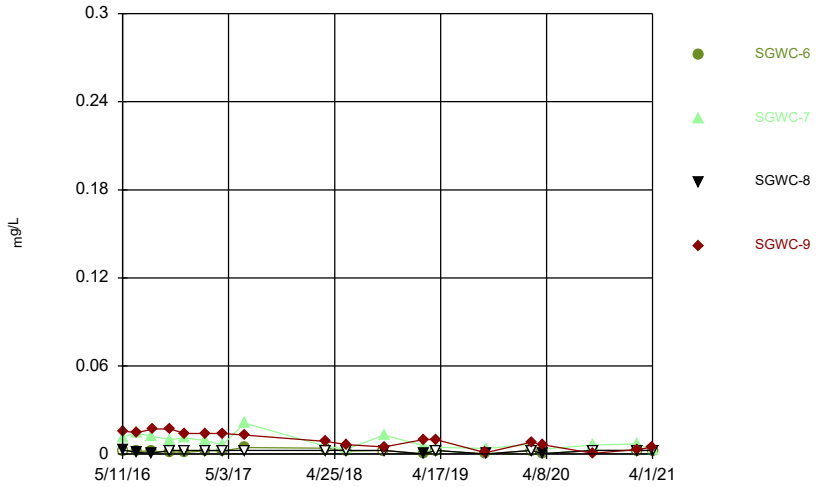
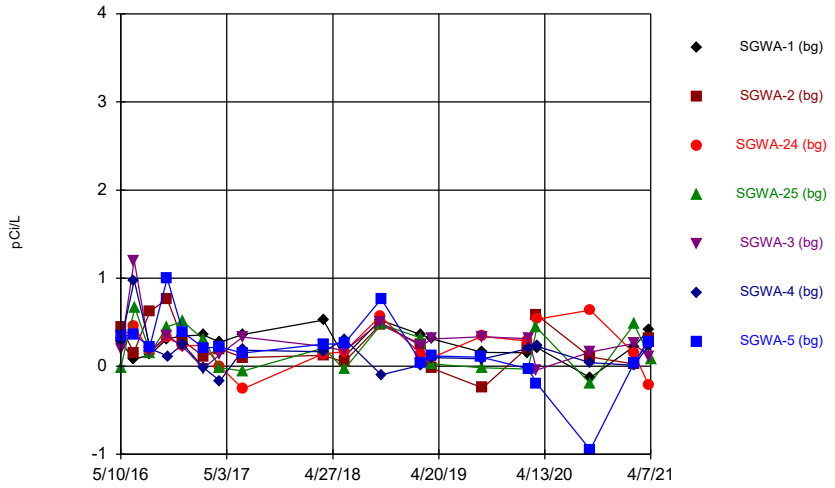
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

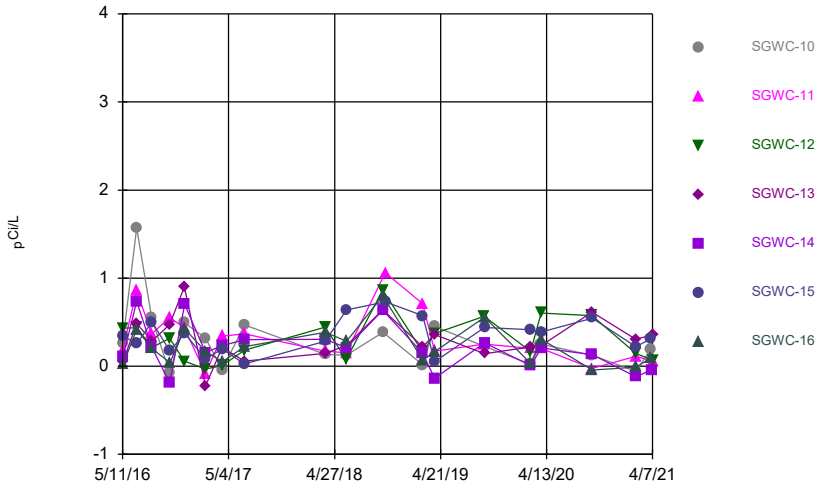
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

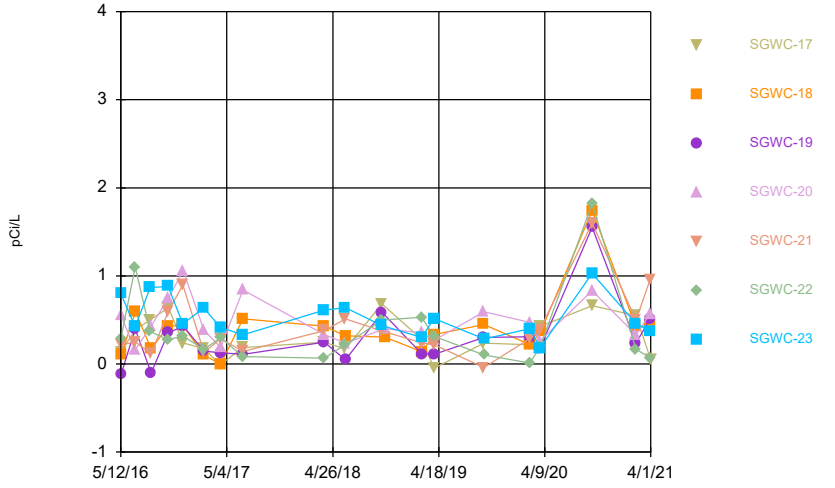
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

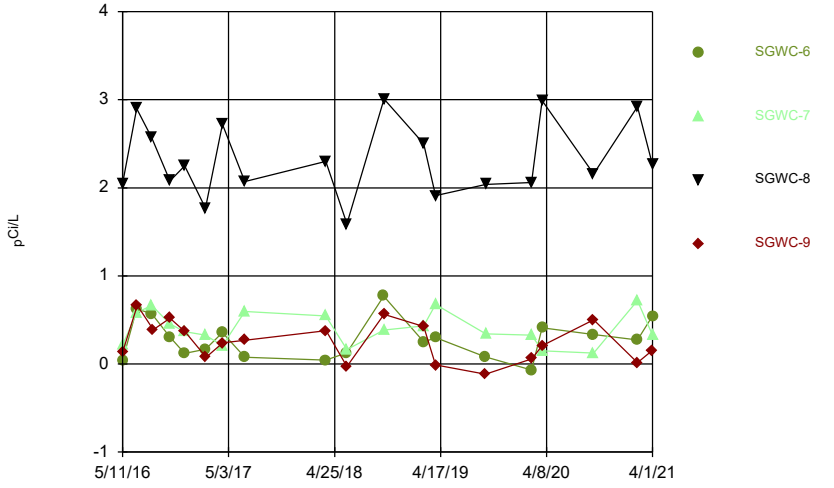
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

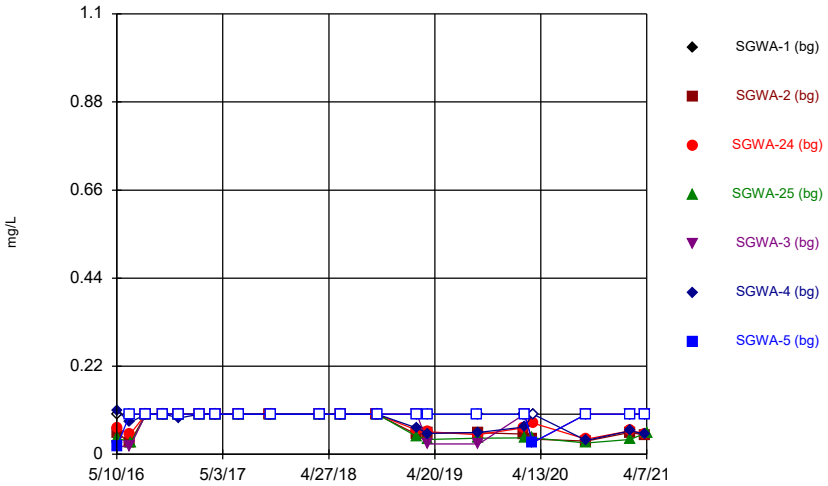
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

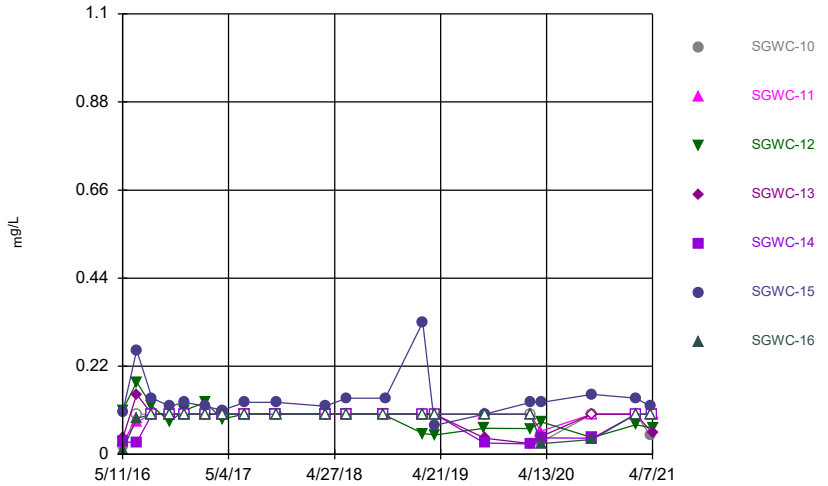
Time Series



Constituent: Fluoride, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

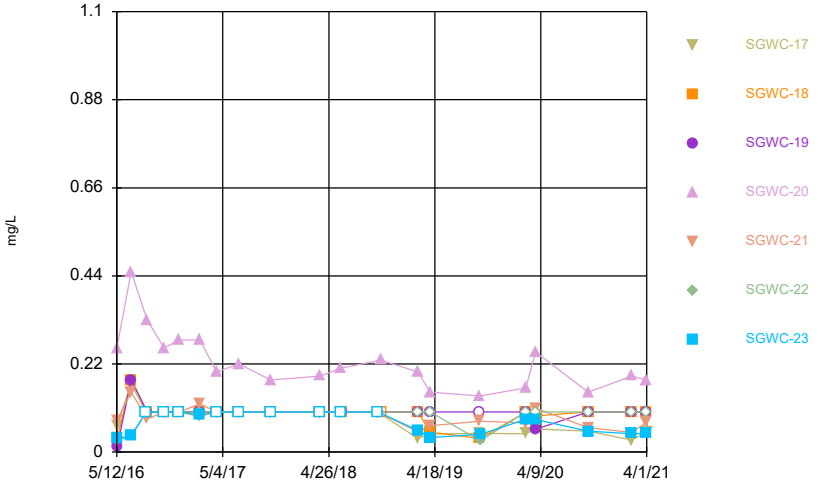
Time Series



Constituent: Fluoride, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

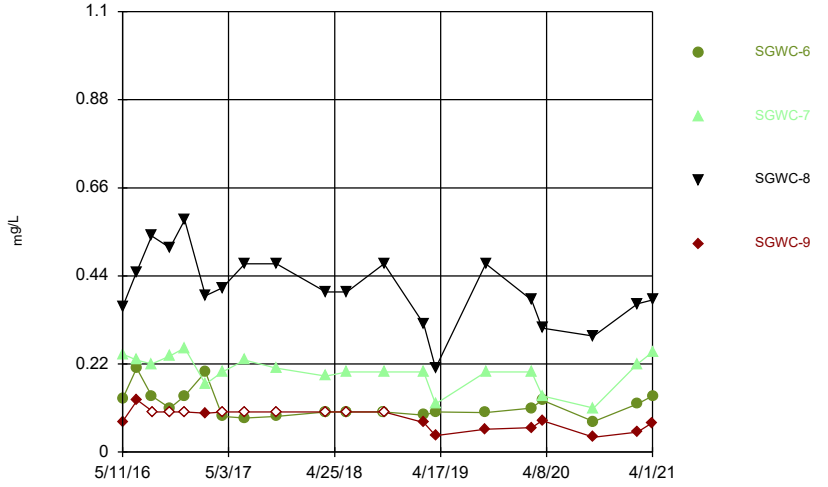
Time Series



Constituent: Fluoride, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

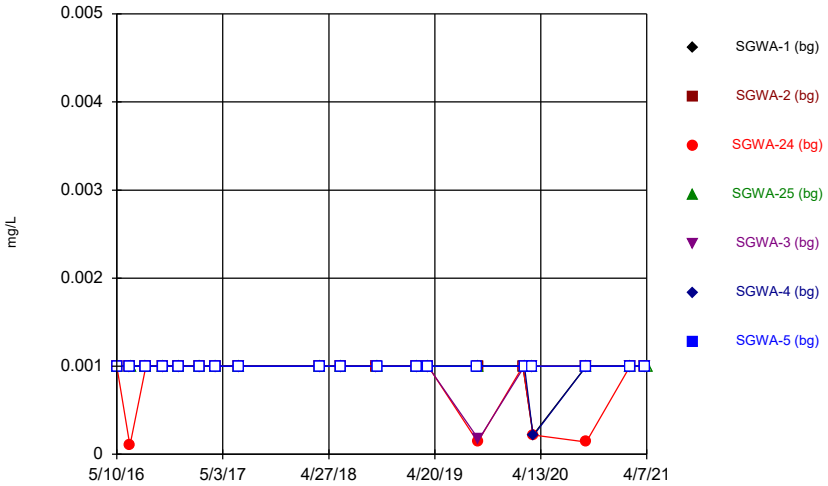
Time Series



Constituent: Fluoride, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

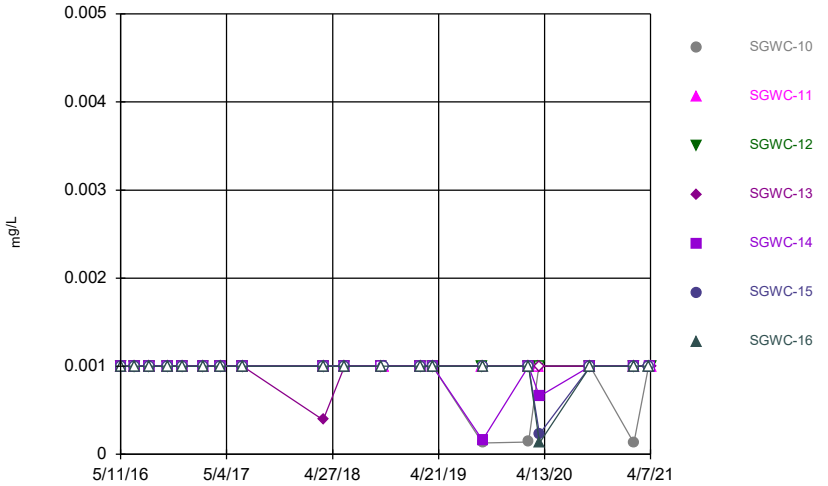
Time Series



Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

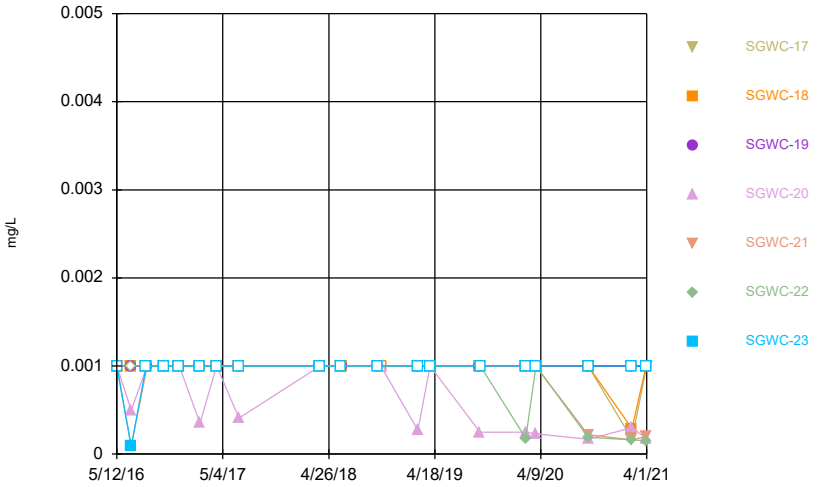
Time Series



Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

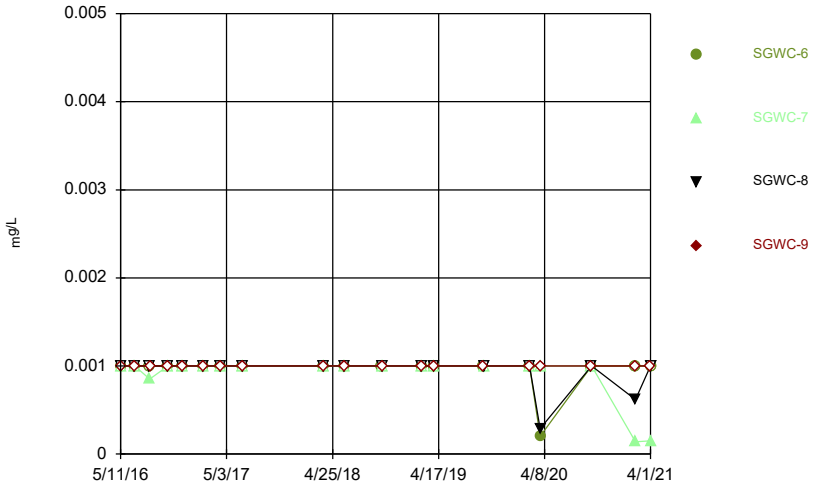
Time Series



Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

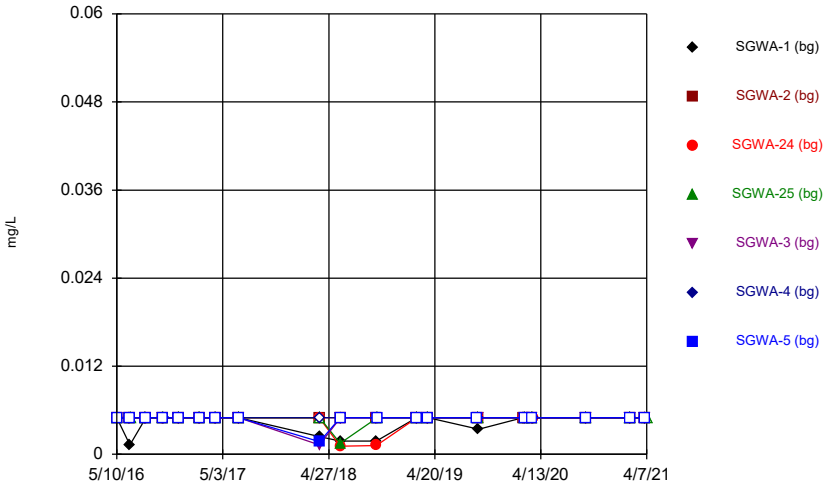
Time Series



Constituent: Lead Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

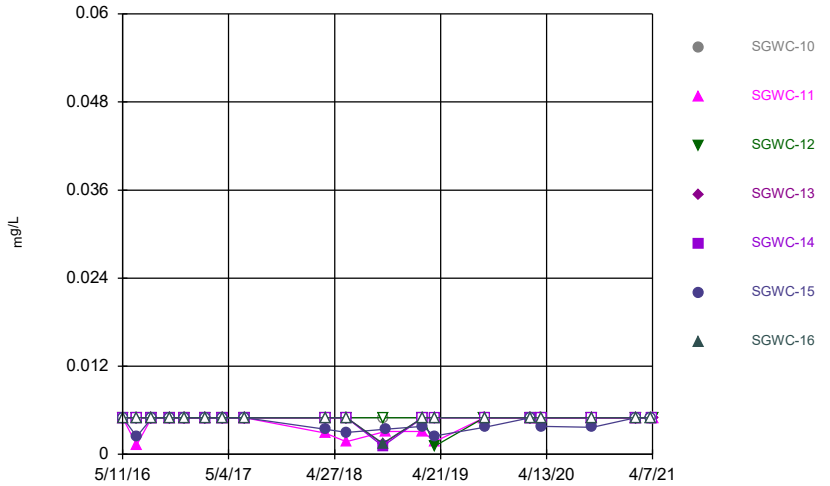
Time Series



Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

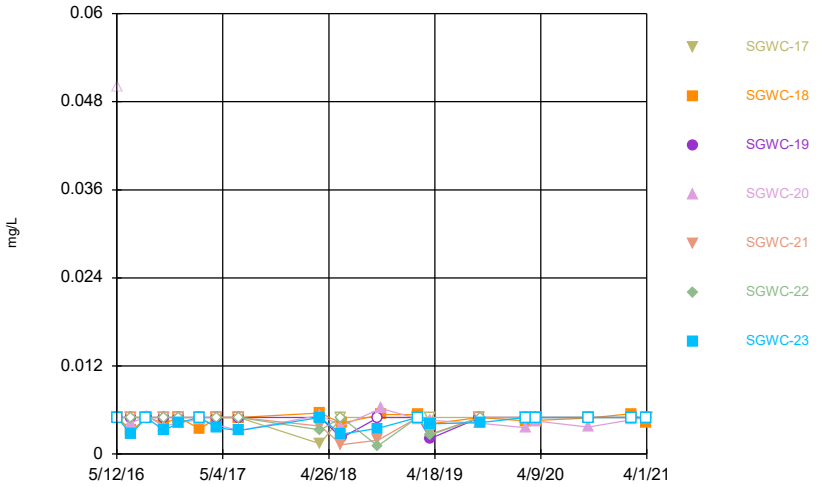
Time Series



Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

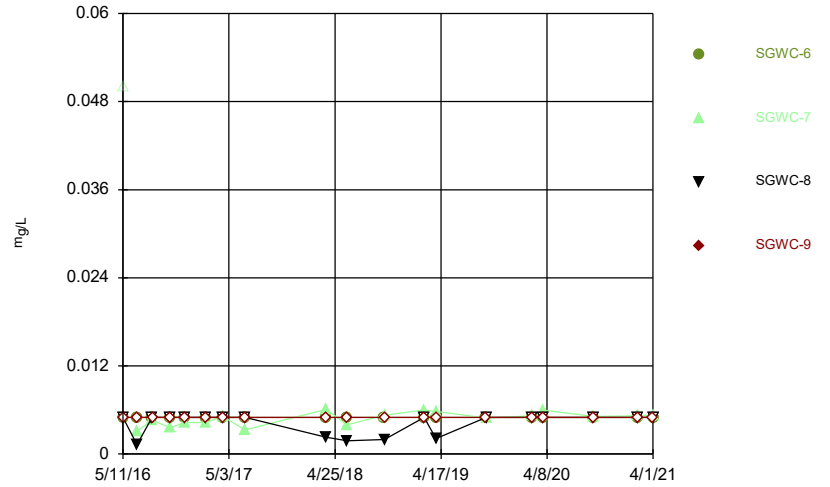
Time Series



Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

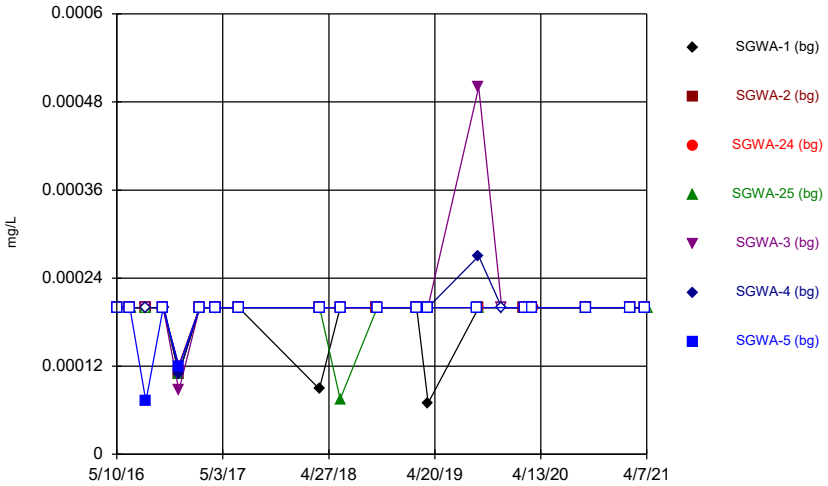
Time Series



Constituent: Lithium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

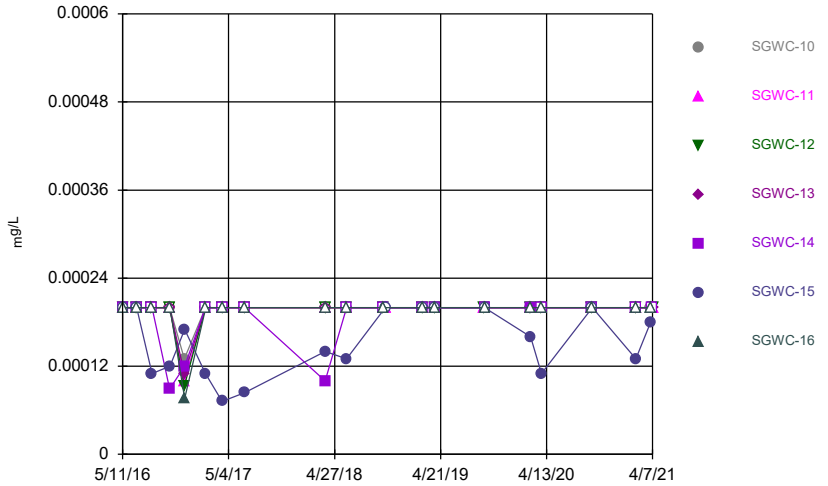
Time Series



Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

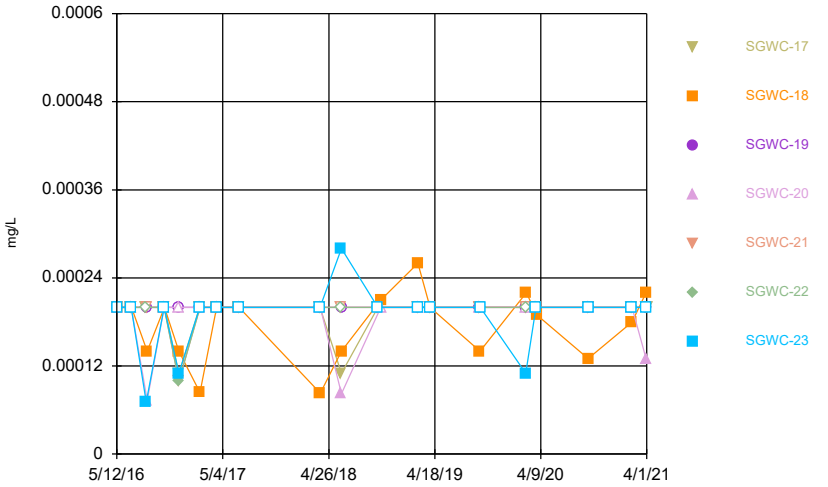
Time Series



Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

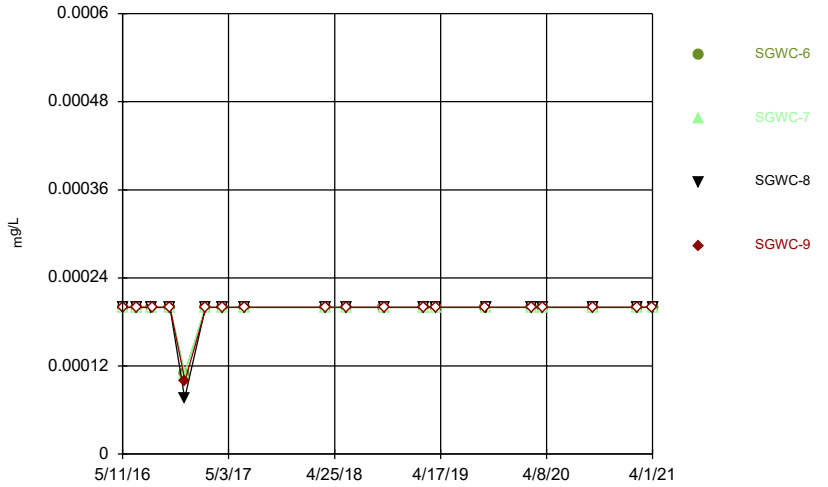
Time Series



Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

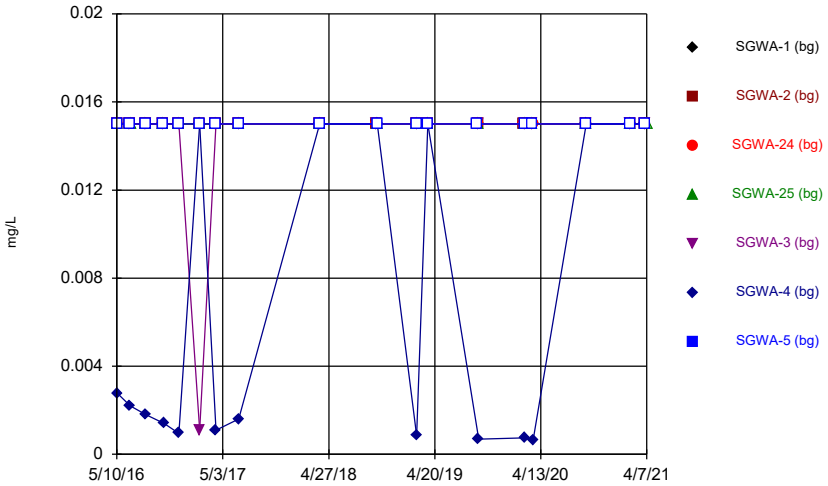
Time Series



Constituent: Mercury Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

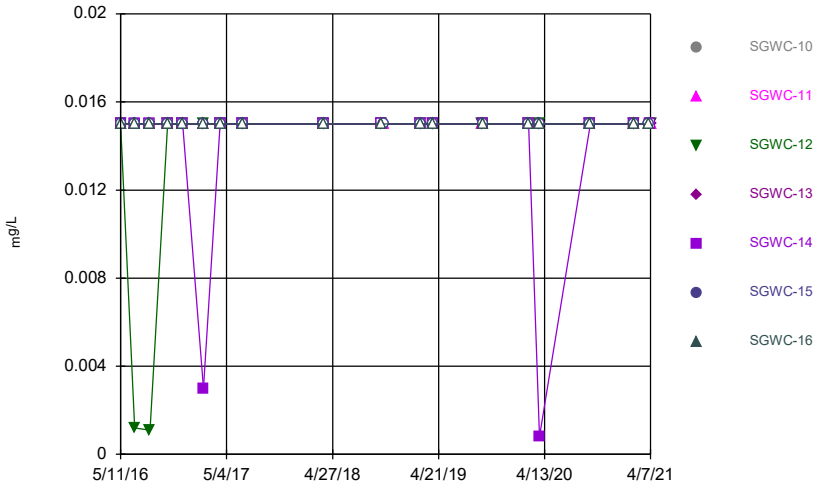
Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

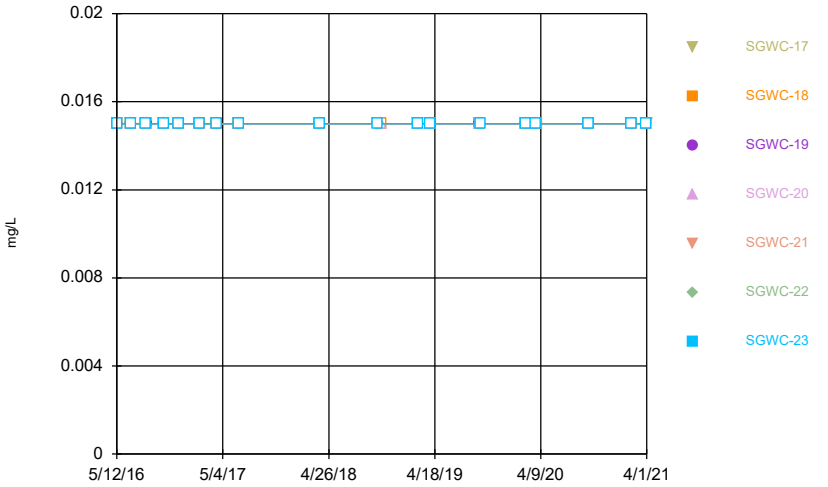
Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

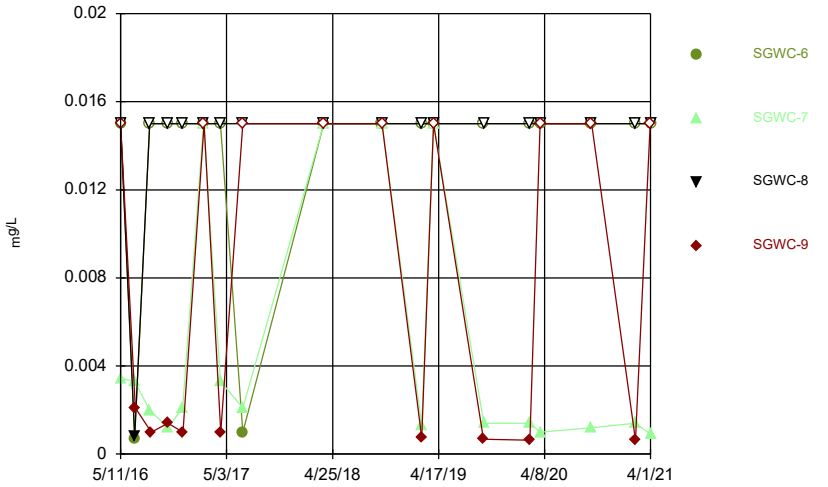
Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

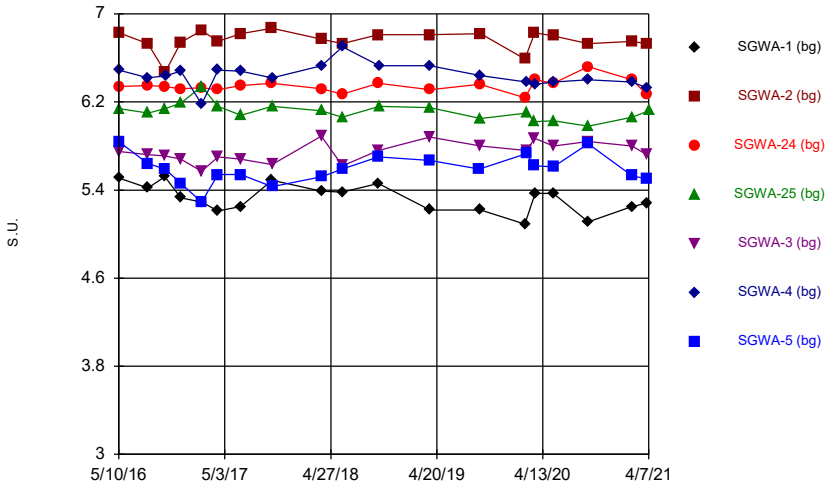
Time Series



Constituent: Molybdenum Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

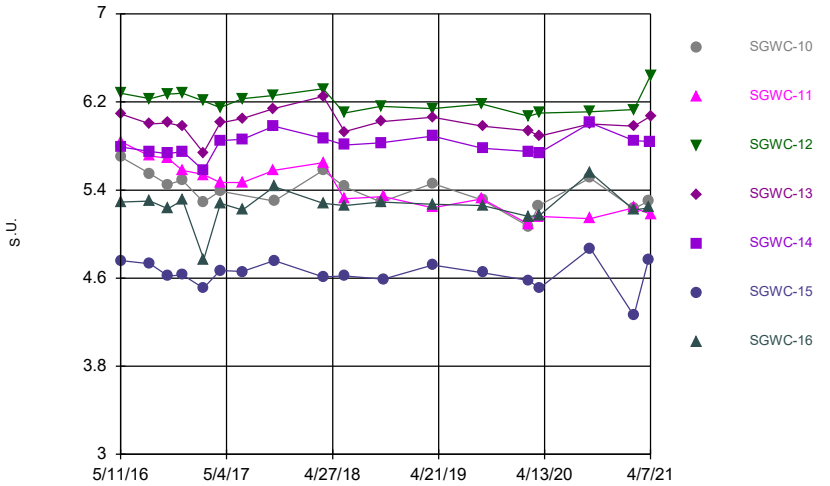
Time Series



Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

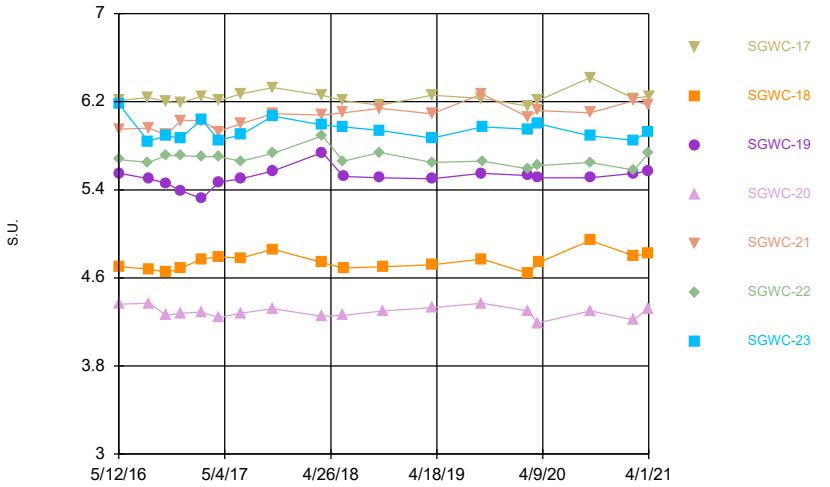
Time Series



Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

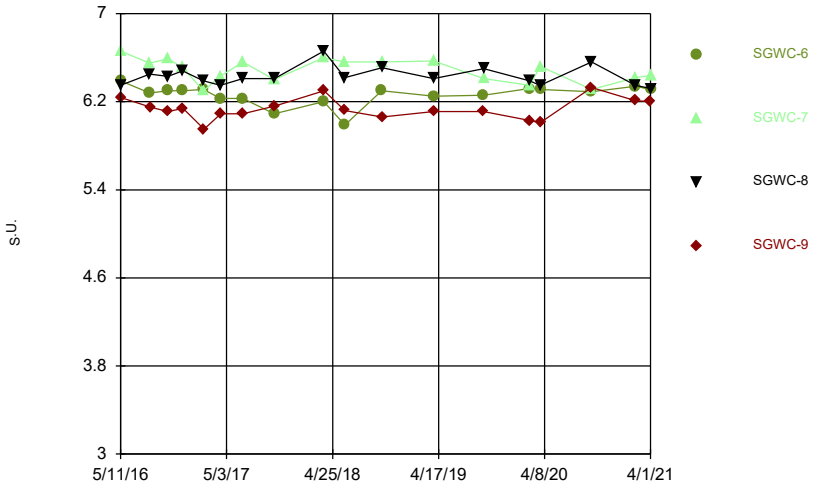
Time Series



Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

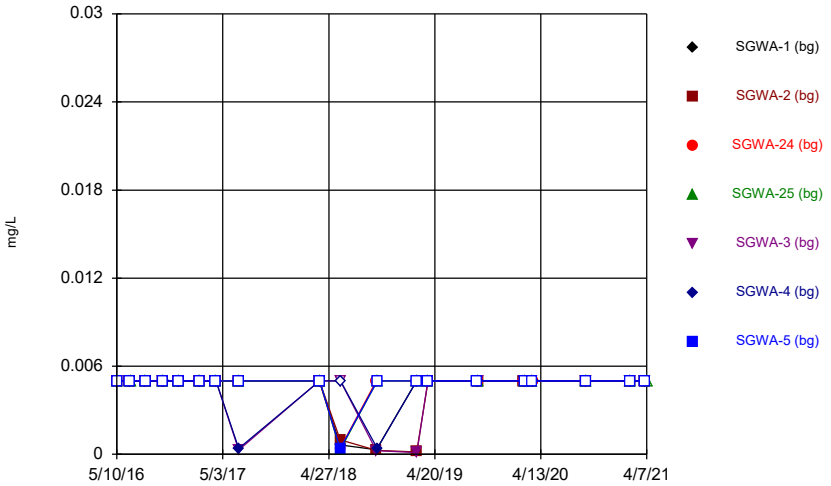
Time Series



Constituent: pH Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

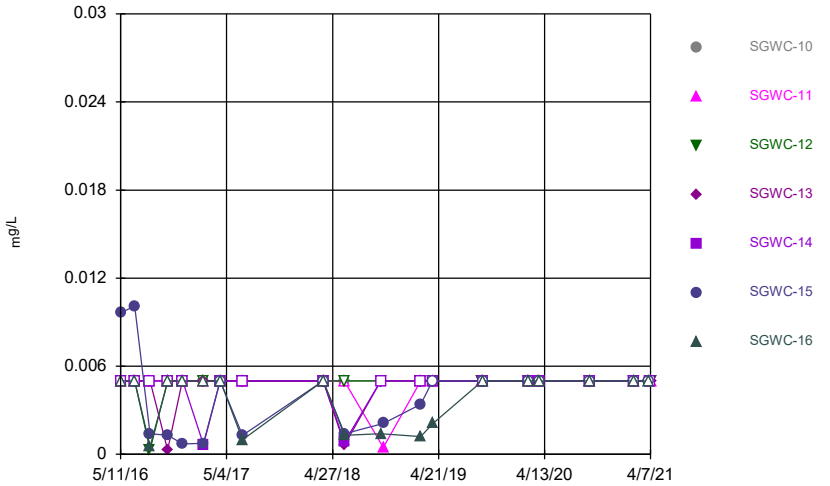
Time Series



Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

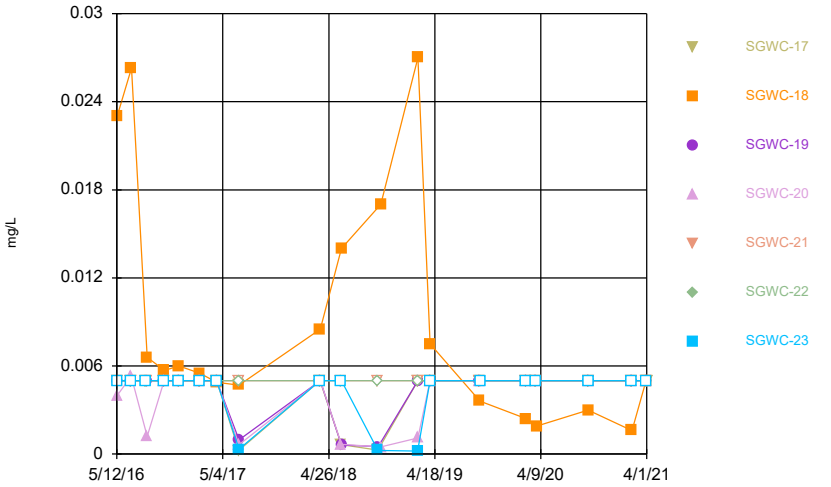
Time Series



Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

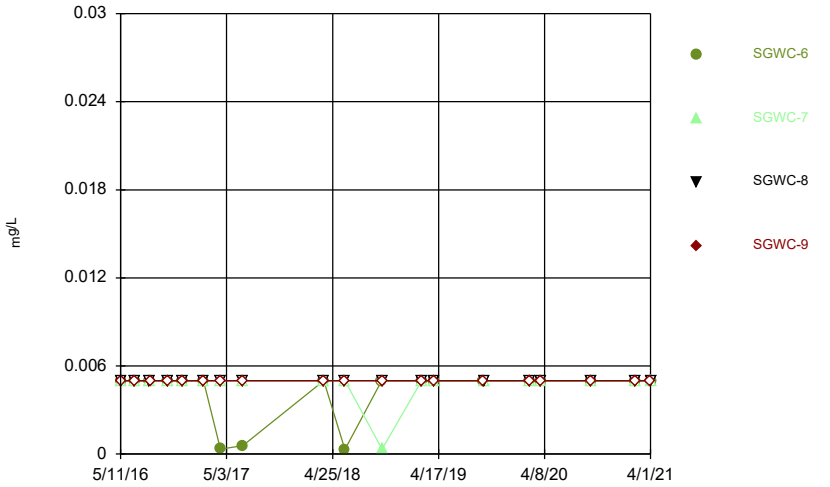
Time Series



Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

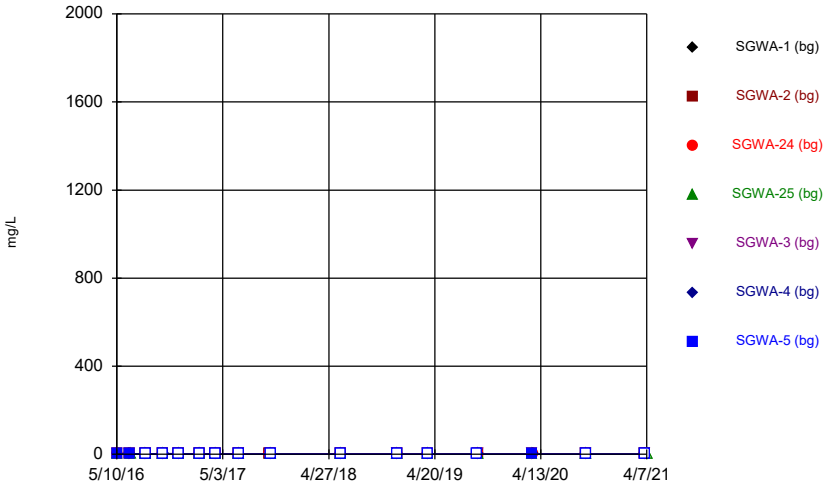
Time Series



Constituent: Selenium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

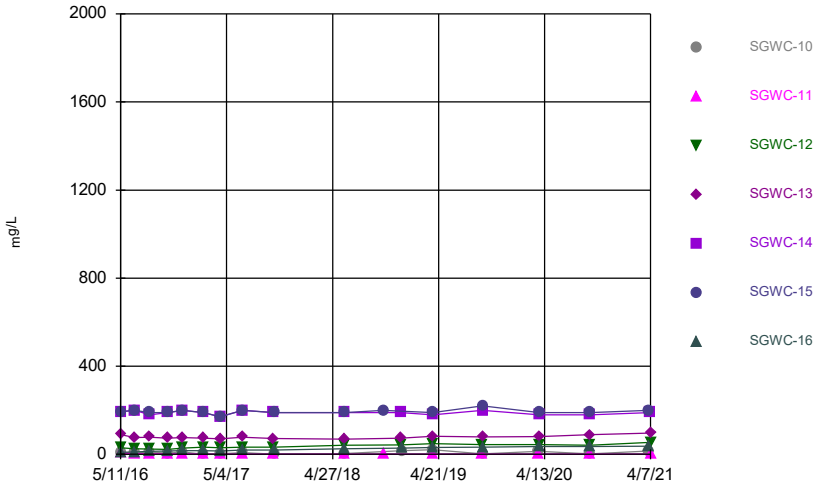
Time Series



Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

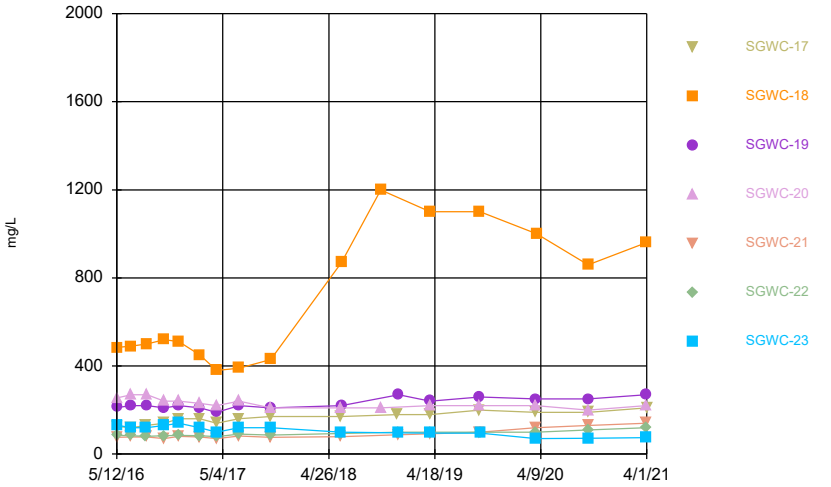
Time Series



Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

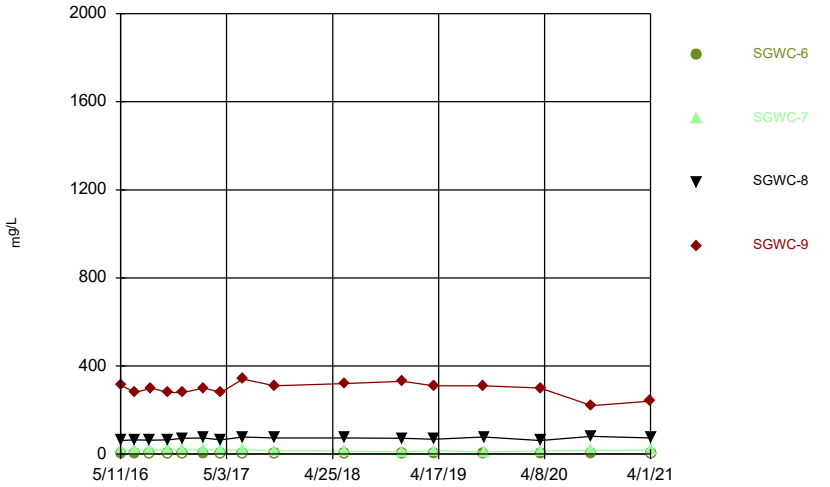
Time Series



Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

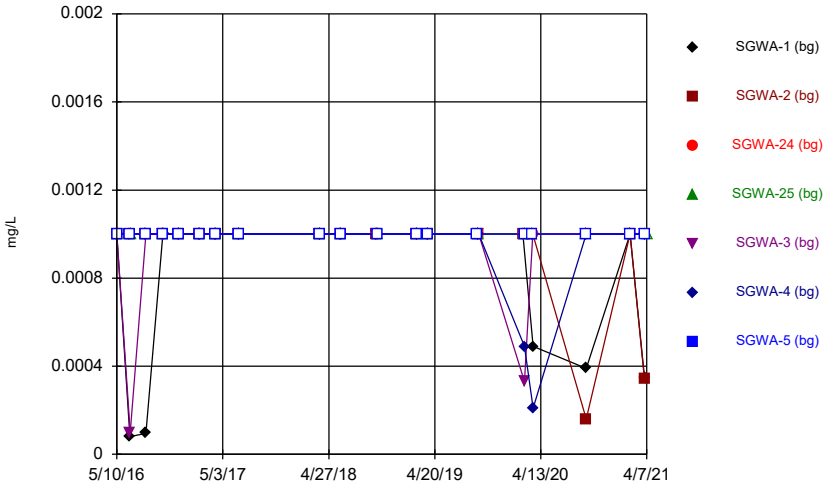
Time Series



Constituent: Sulfate, total Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

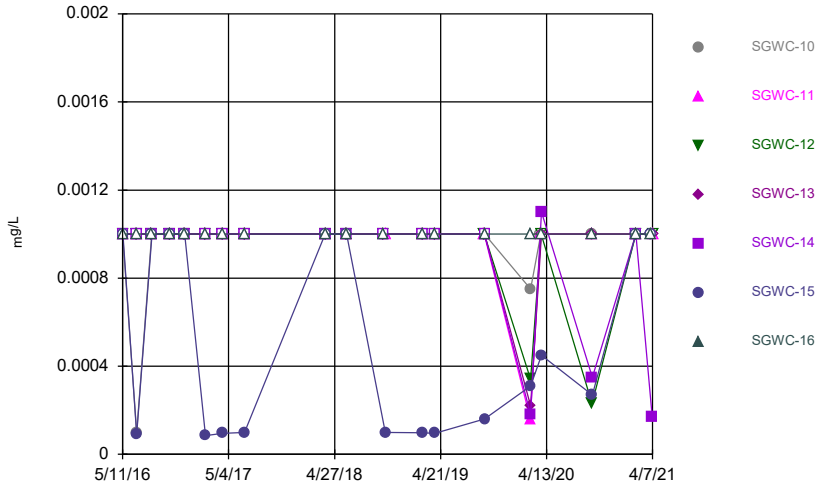
Time Series



Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

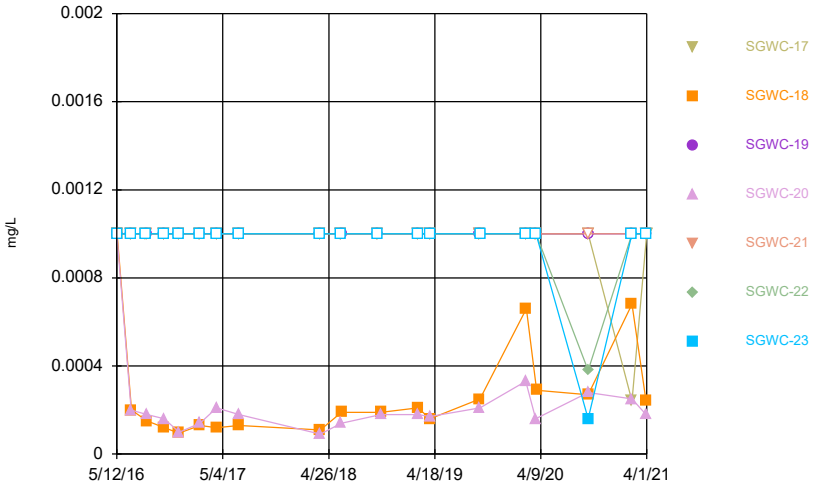
Time Series



Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

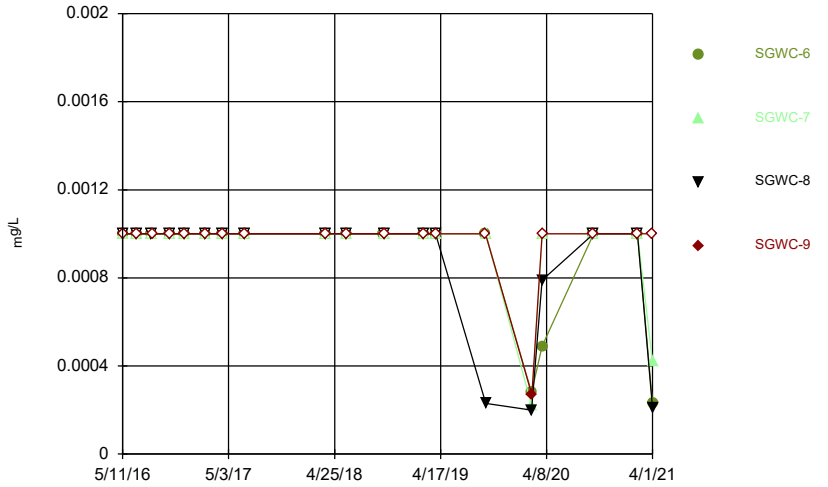
Time Series



Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

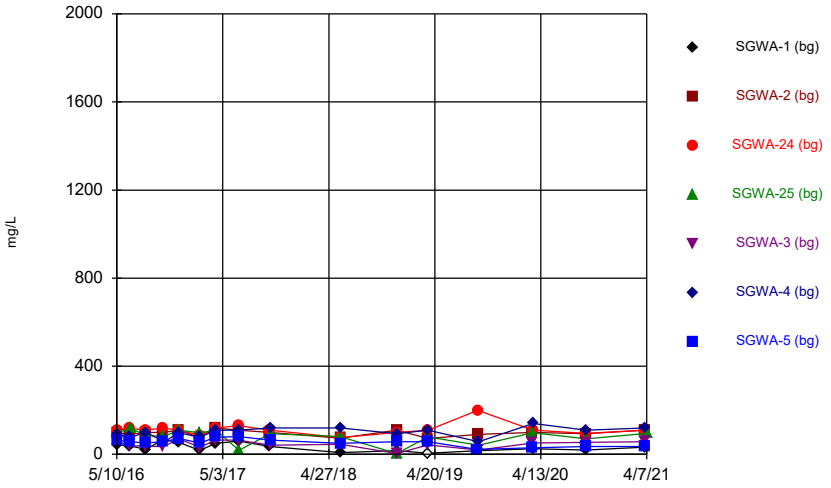
Time Series



Constituent: Thallium Analysis Run 5/26/2021 9:02 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

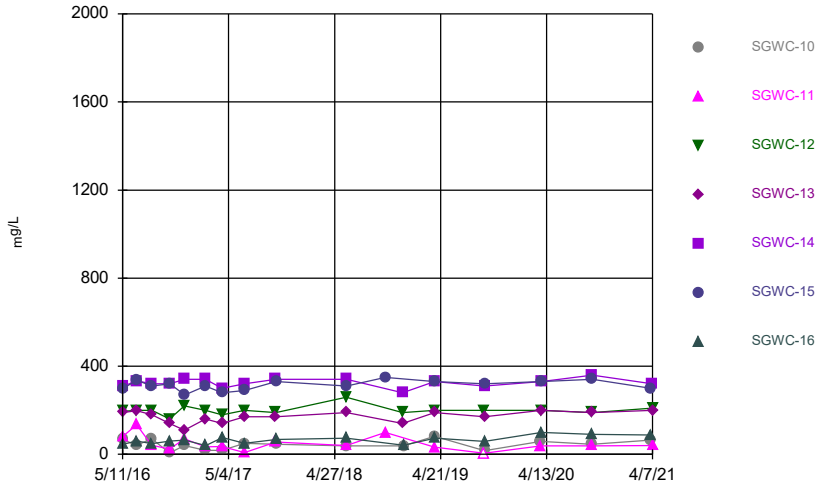
Time Series



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

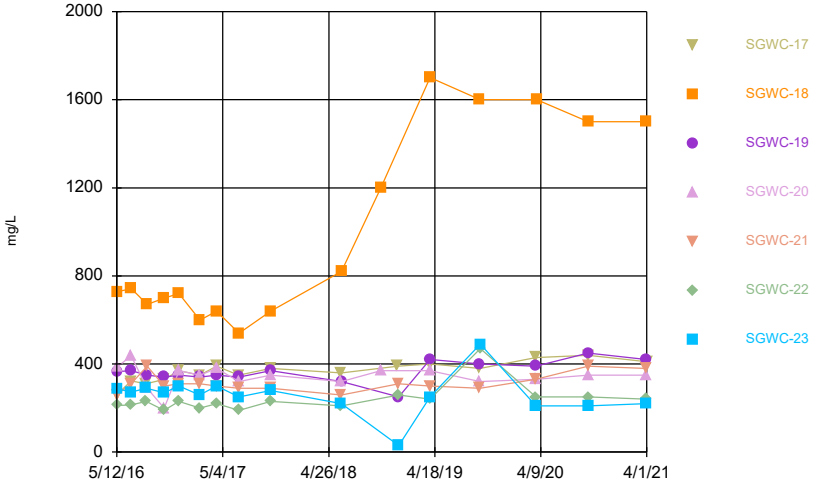
Time Series



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

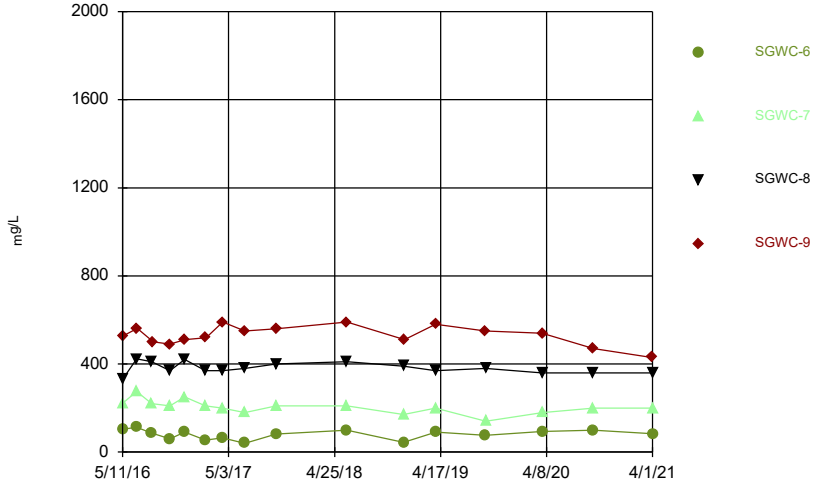
Time Series



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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

	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	<0.002	<0.002	<0.002	<0.002		<0.002
5/11/2016						<0.002	
6/23/2016	0.0004 (J)	<0.002	0.0003 (J)				<0.002
6/24/2016					0.0021 (J)	0.0007 (J)	
6/27/2016				0.0003 (J)			
8/16/2016	0.0012 (J)	<0.002	<0.002		<0.002		<0.002
8/17/2016				<0.002		<0.002	
10/13/2016	<0.002		<0.002				
10/14/2016		<0.002		<0.002	<0.002		<0.002
10/17/2016						<0.002	
12/5/2016			<0.002				
12/6/2016	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2/14/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017			<0.002				
4/11/2017	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
6/26/2017	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
6/27/2017				<0.002			
3/26/2018	<0.002	<0.002	<0.002		<0.002		
3/27/2018				<0.002		<0.002	<0.002
10/5/2018	<0.002	<0.002	<0.002		<0.002		
10/8/2018				<0.002		<0.002	<0.002
2/18/2019	<0.002	<0.002				<0.002	
2/19/2019			<0.002	<0.002	<0.002		<0.002
3/28/2019				<0.002	<0.002	<0.002	<0.002
3/29/2019	<0.002	<0.002	<0.002				
2/13/2020	<0.002	<0.002	<0.002				
2/17/2020				<0.002			<0.002
2/18/2020					<0.002	<0.002	
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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-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	<0.002	<0.002
6/28/2016	0.0014 (J)	<0.002	<0.002	0.0004 (J)	<0.002	<0.002	<0.002
8/17/2016	<0.002	<0.002					
8/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002
10/17/2016	<0.002	<0.002	<0.002	<0.002	<0.002		
10/18/2016						<0.002	<0.002
12/6/2016	<0.002	<0.002	<0.002	<0.002			
12/7/2016					<0.002	<0.002	<0.002
2/15/2017	<0.002	<0.002	<0.002	<0.002 (F1)	<0.002	<0.002	
2/16/2017							<0.002
4/12/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
4/13/2017							<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/8/2018			<0.002	<0.002	<0.002		<0.002
10/9/2018	<0.002						
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/18/2020		<0.002					
2/19/2020	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
5/12/2016	<0.002			<0.002	<0.002	<0.002	<0.002
5/13/2016		<0.002	<0.002				
6/29/2016	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
6/30/2016		0.0012 (J)					
8/18/2016	<0.002						
8/19/2016						<0.002	<0.002
8/22/2016		<0.002	<0.002	<0.002	<0.002		
10/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002
10/19/2016	<0.002 (D)	<0.002					
12/7/2016	<0.002	<0.002			<0.002	<0.002	<0.002
12/8/2016			<0.002	<0.002			
2/15/2017	<0.002						<0.002
2/16/2017		<0.002	<0.002	<0.002	<0.002	<0.002	
4/13/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/27/2017	<0.002						
6/28/2017		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002						<0.002
3/28/2018		<0.002	<0.002	<0.002	<0.002	<0.002	
10/8/2018	<0.002				<0.002	<0.002	<0.002
10/9/2018			<0.002				
2/19/2019						<0.002	<0.002
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002		
2/18/2020				<0.002	<0.002	<0.002	<0.002
2/19/2020	<0.002		<0.002				
2/20/2020		<0.002					
2/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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

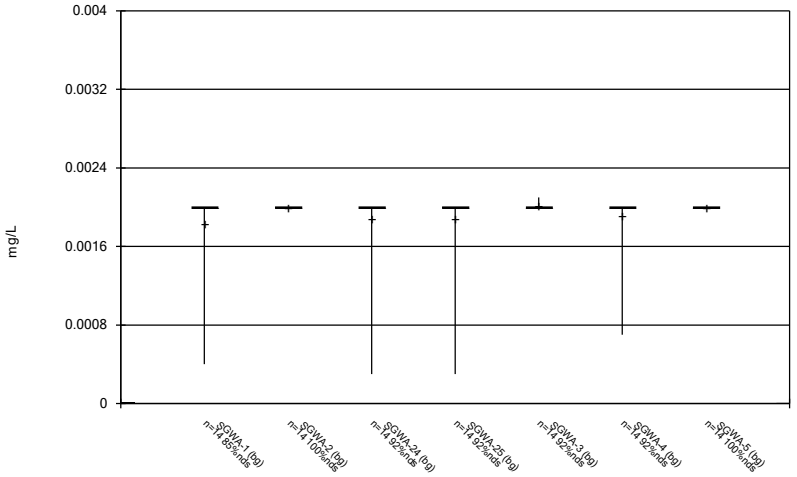
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/26/2021 9:07 PM View: Appendix III & IV

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.

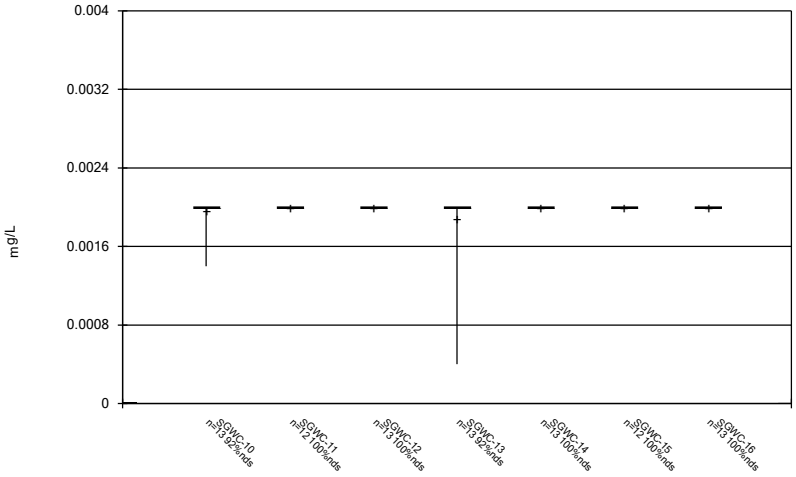
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

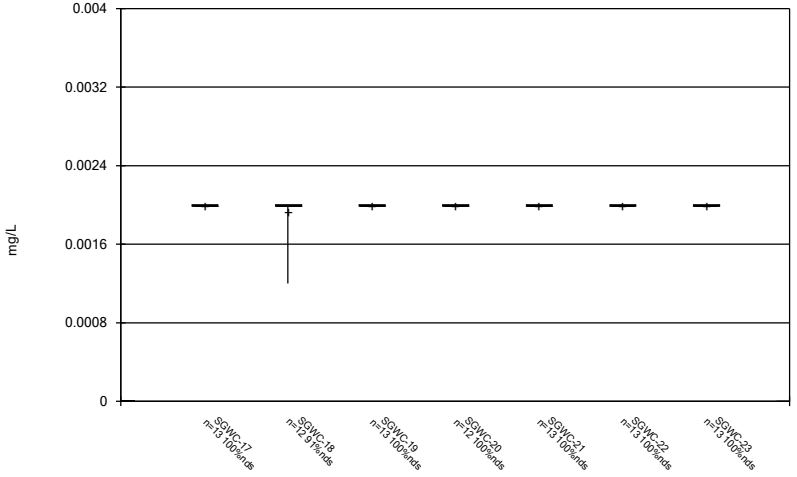
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

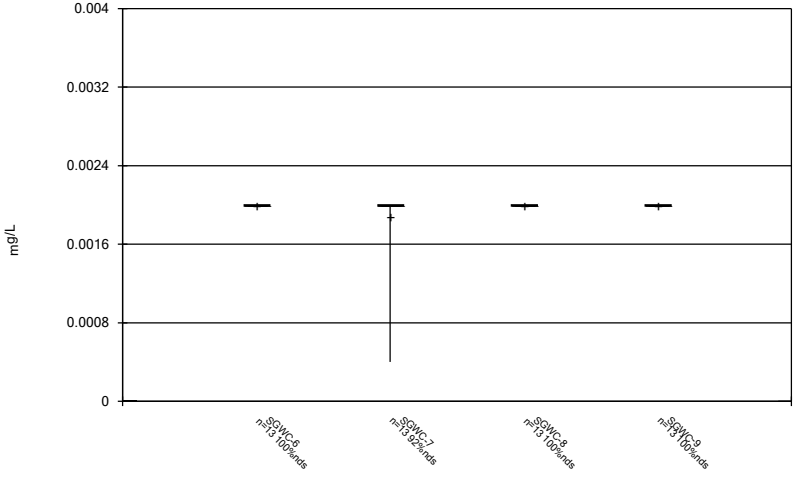
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

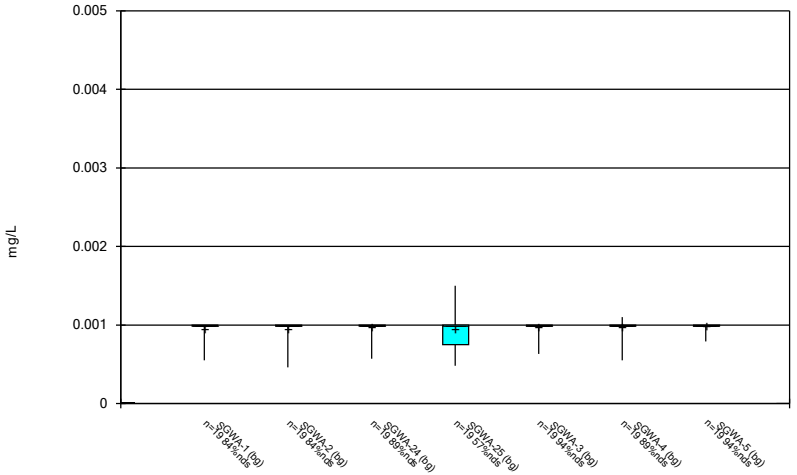
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

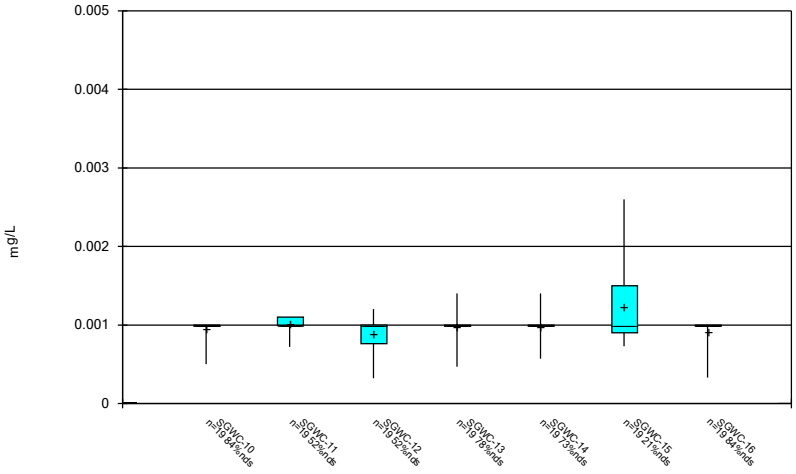
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

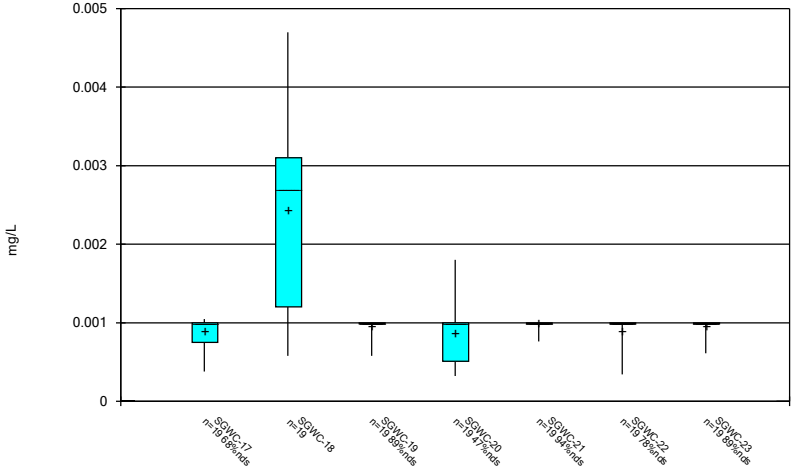
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

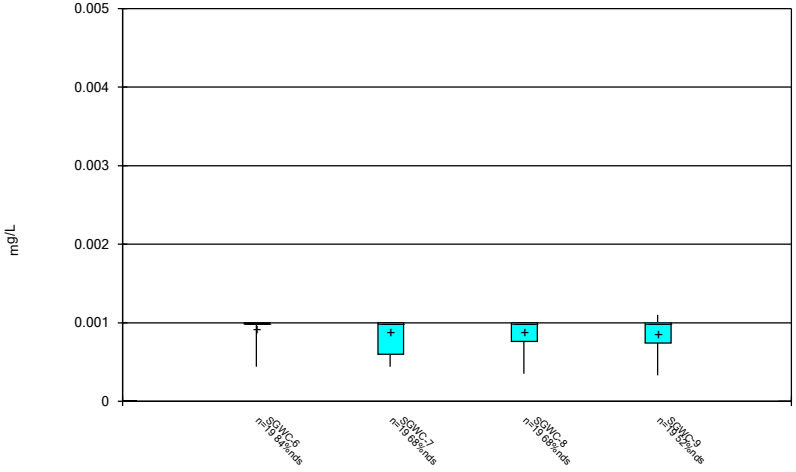
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

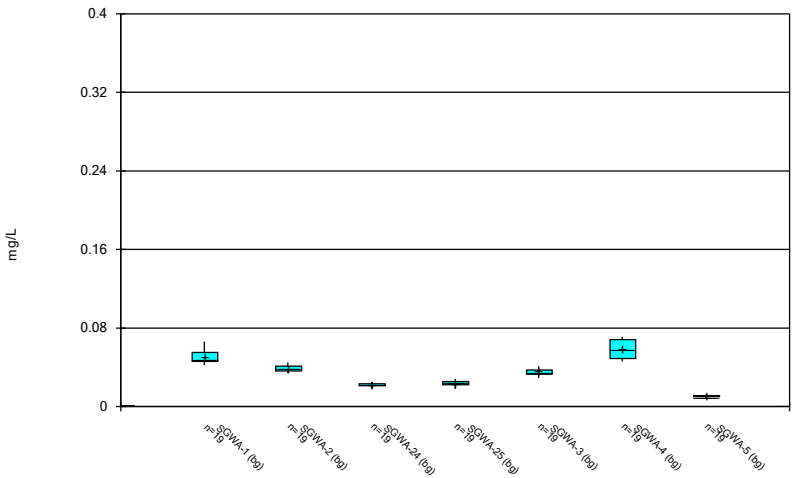
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



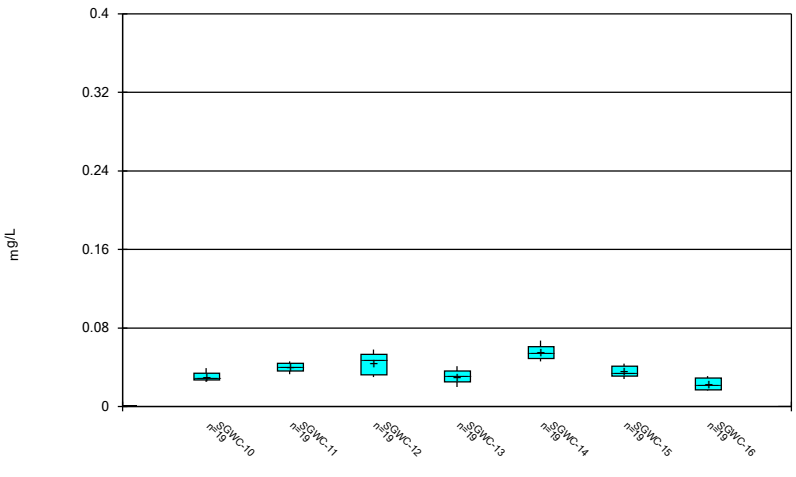
Constituent: Arsenic Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



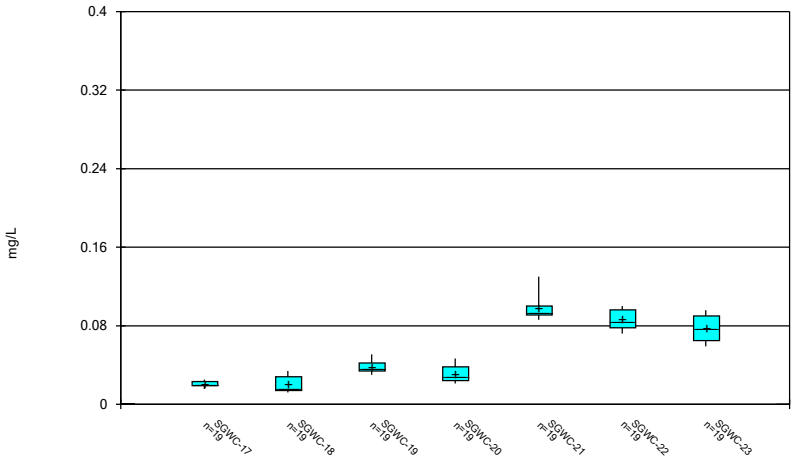
Constituent: Barium Analysis Run 5/26/2021 9:08 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



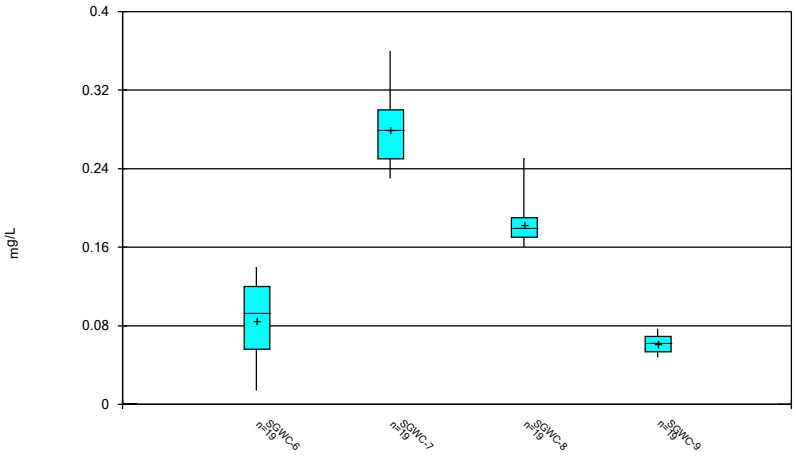
Constituent: Barium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



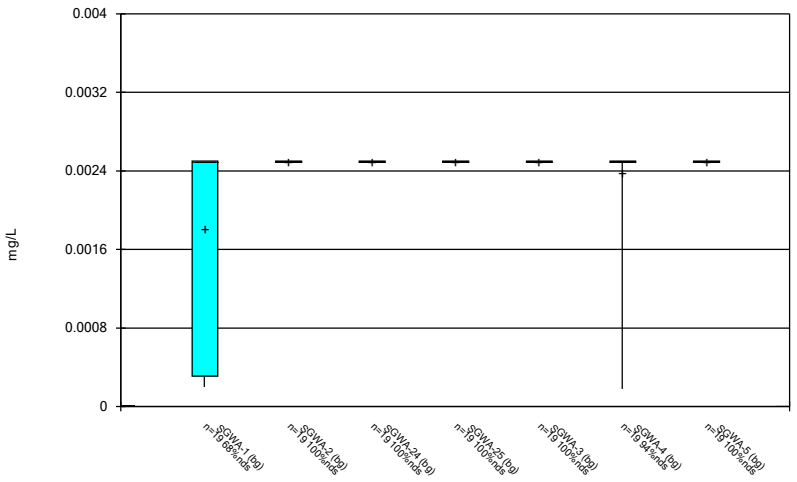
Constituent: Barium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



Constituent: Barium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

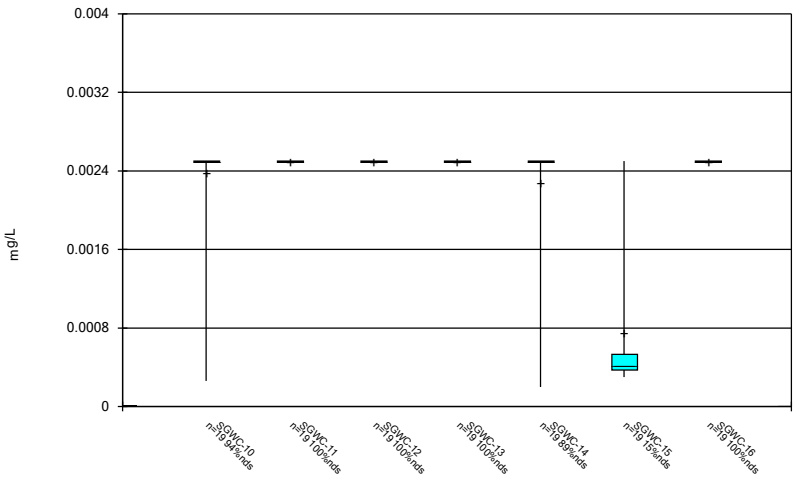
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

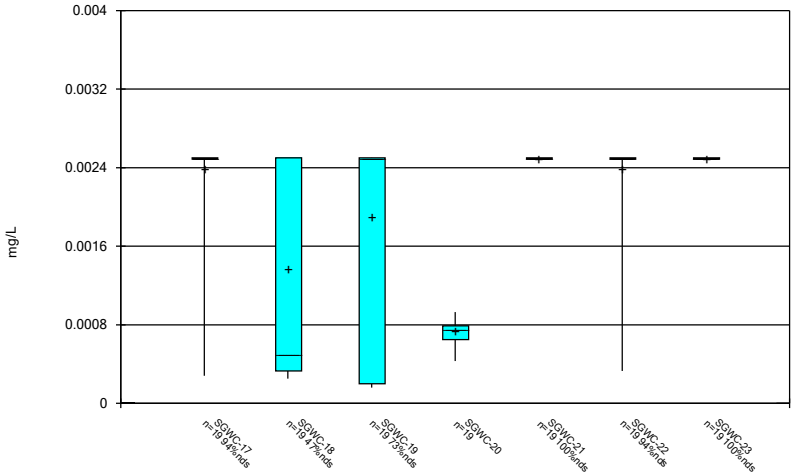
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

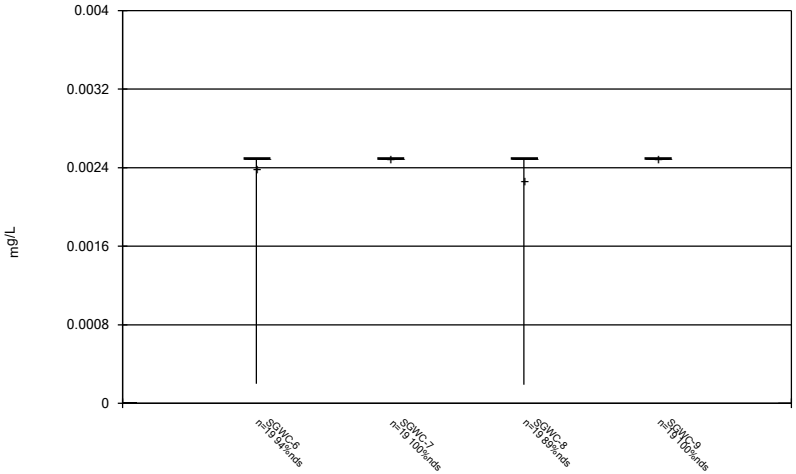
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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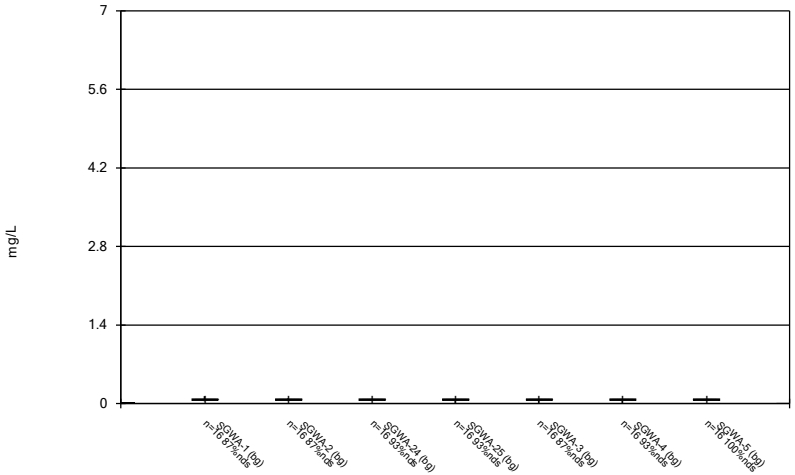
Plant Scherer Client: Southern Company Data: Scherer AP

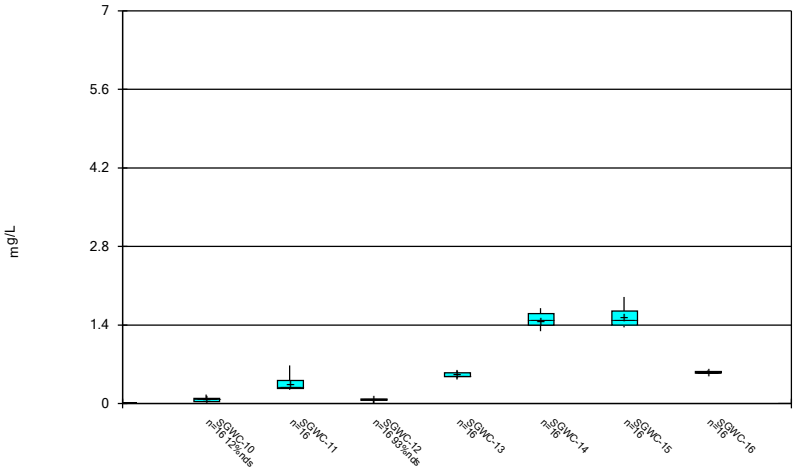
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

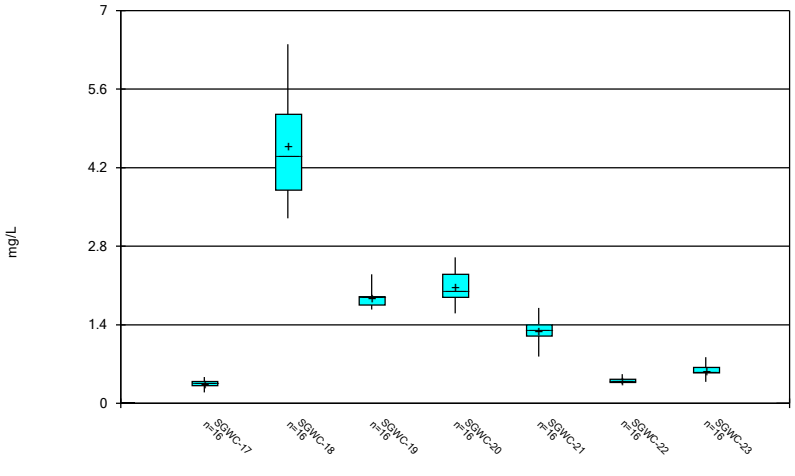
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

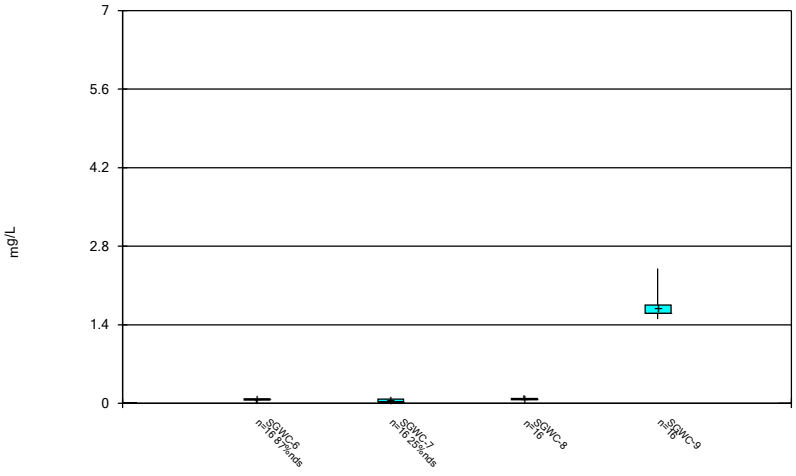
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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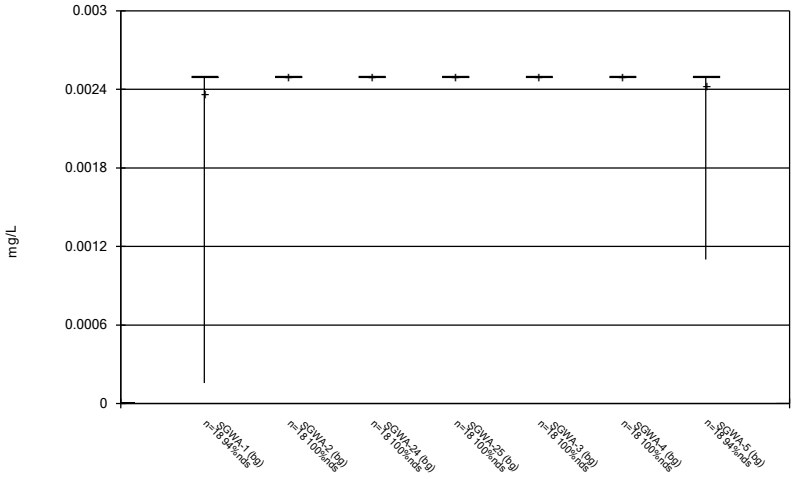
Plant Scherer Client: Southern Company Data: Scherer AP

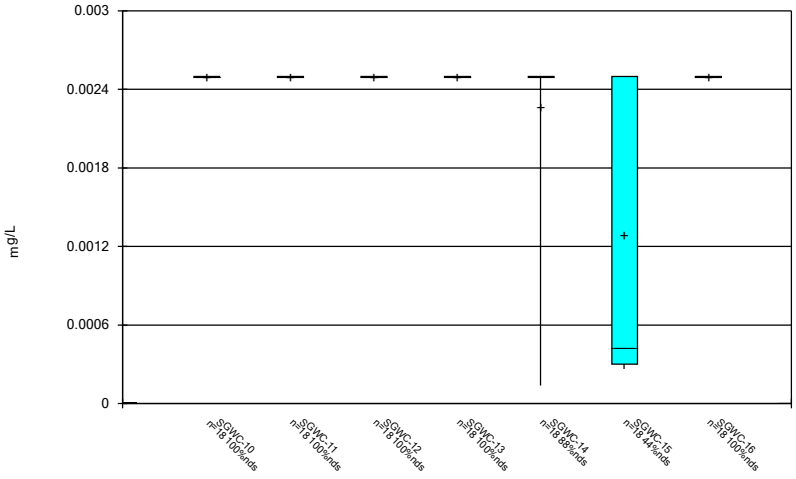
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

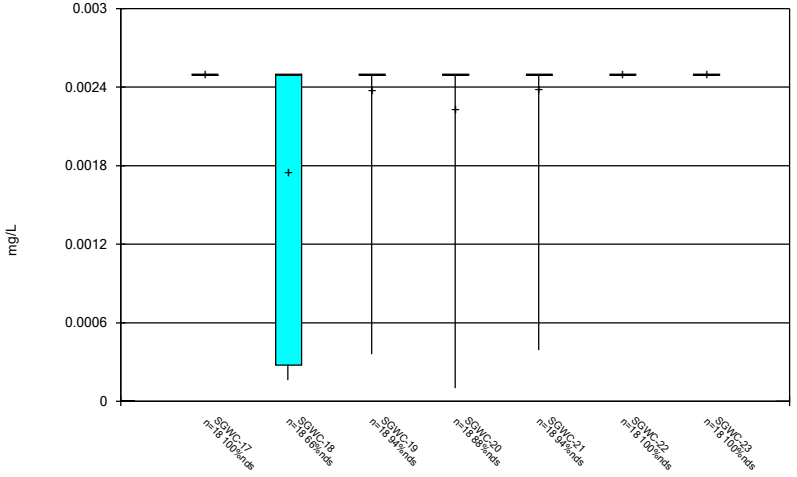
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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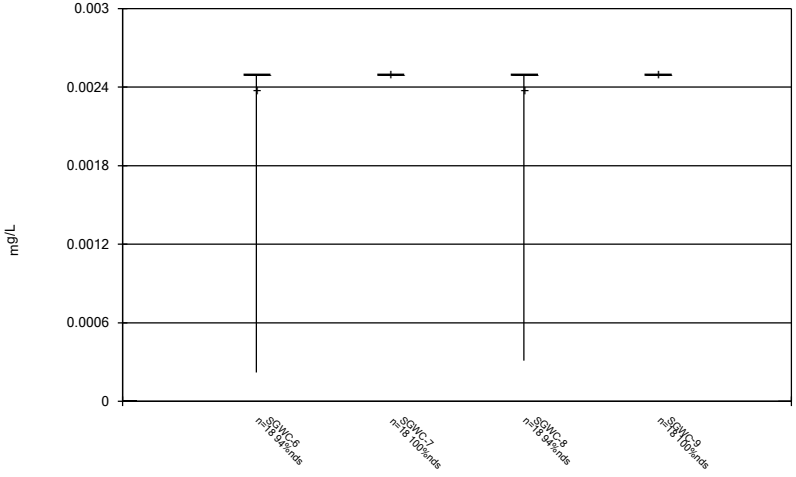
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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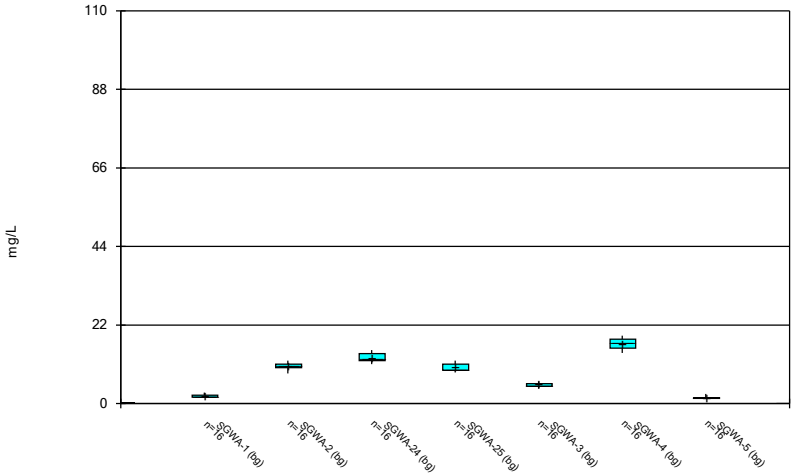
Plant Scherer Client: Southern Company Data: Scherer AP

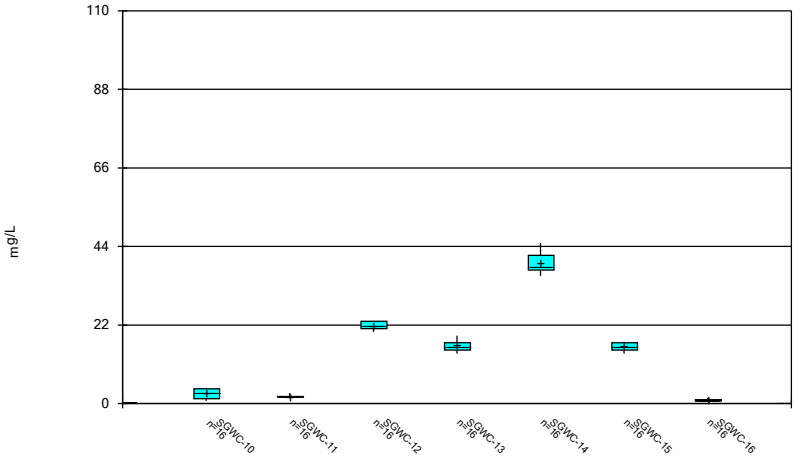
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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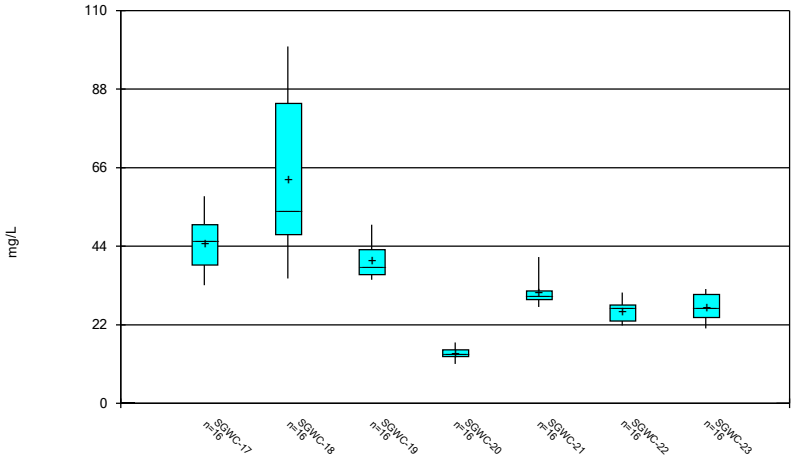
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

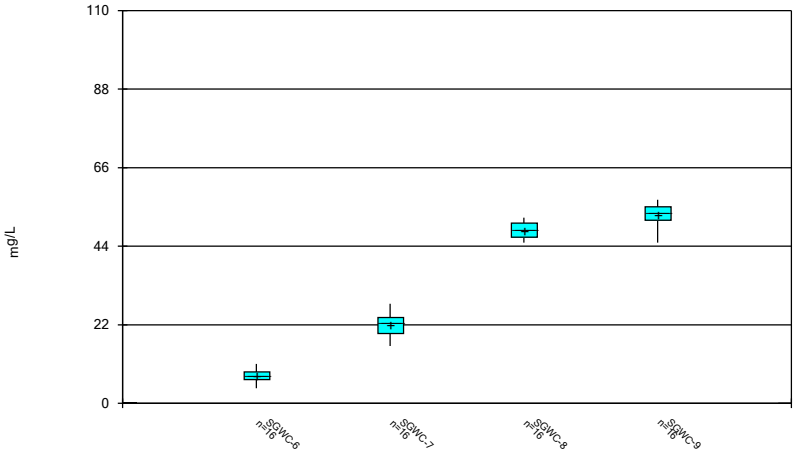
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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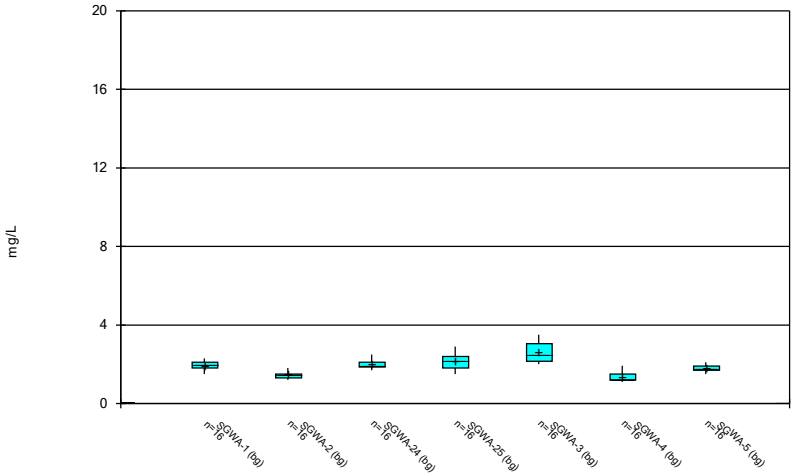
Plant Scherer Client: Southern Company Data: Scherer AP

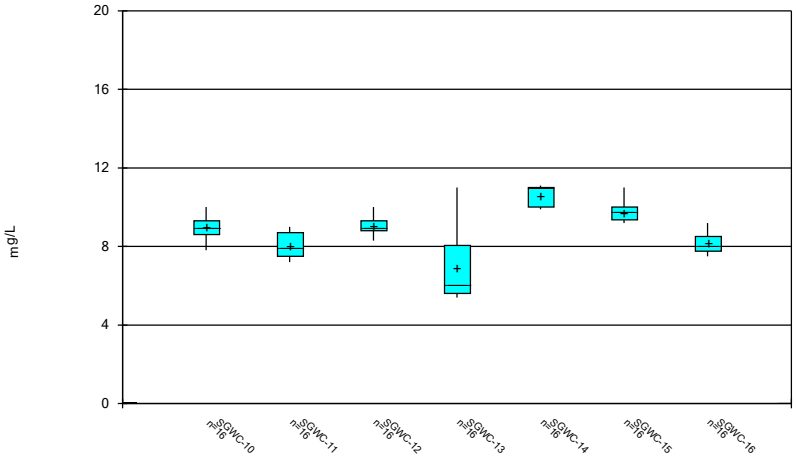
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

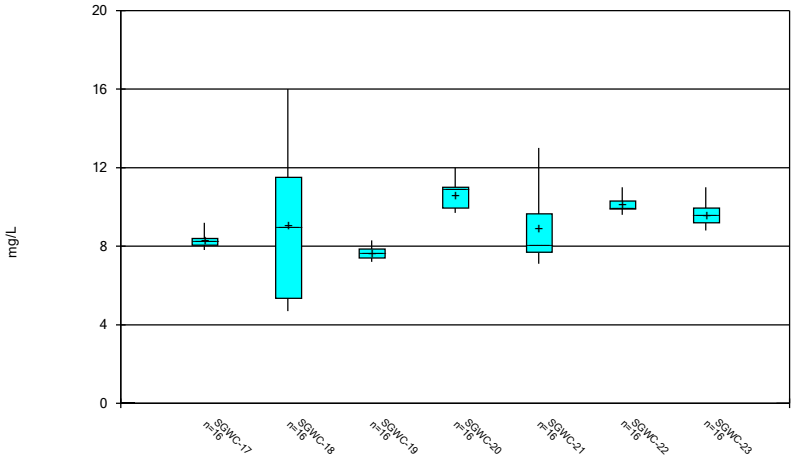
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
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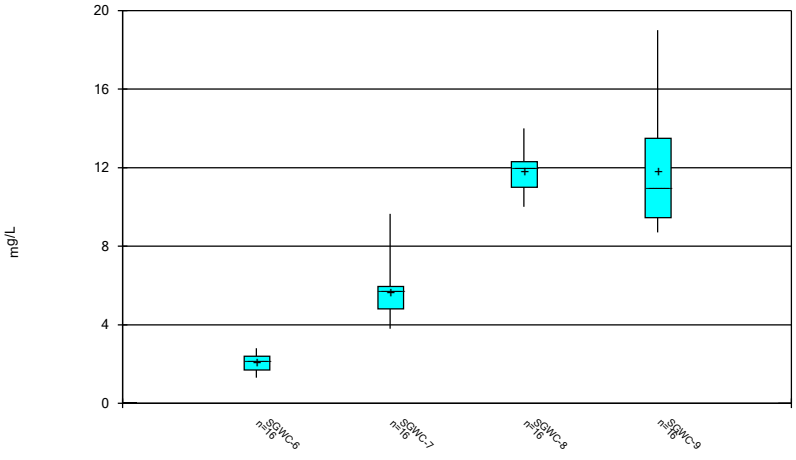
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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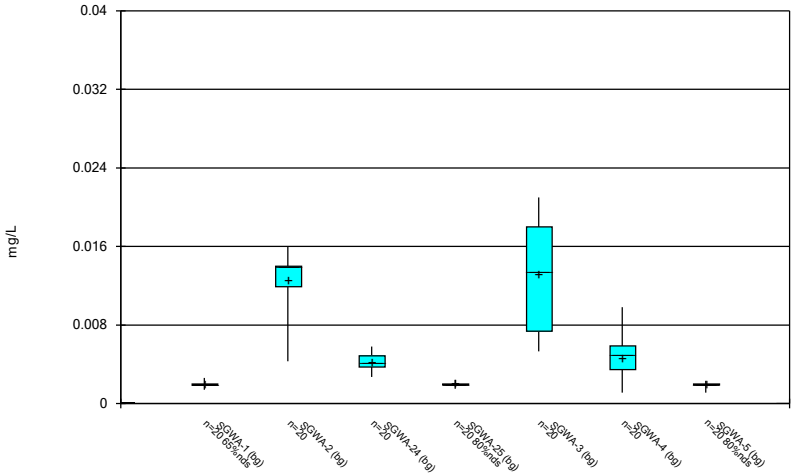
Plant Scherer Client: Southern Company Data: Scherer AP

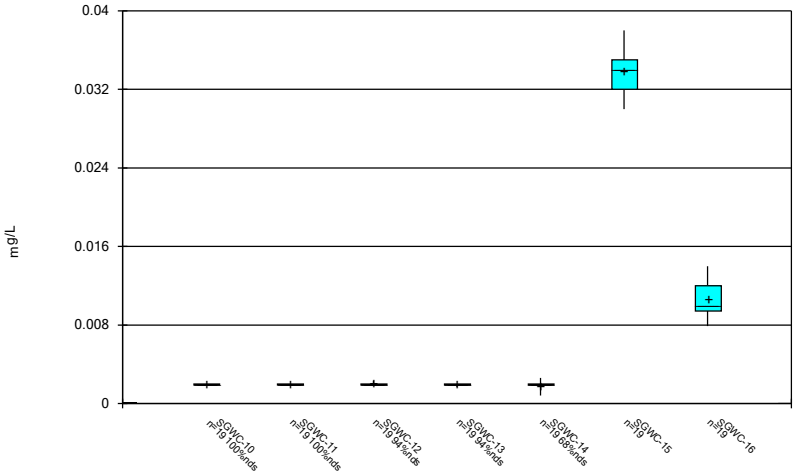
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

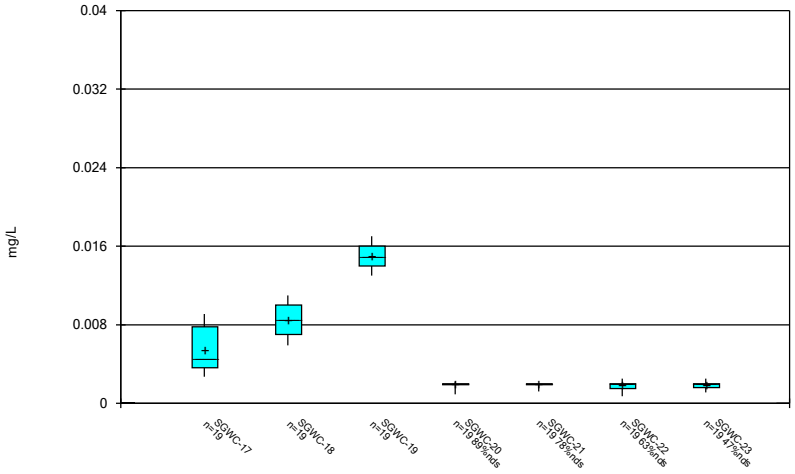
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

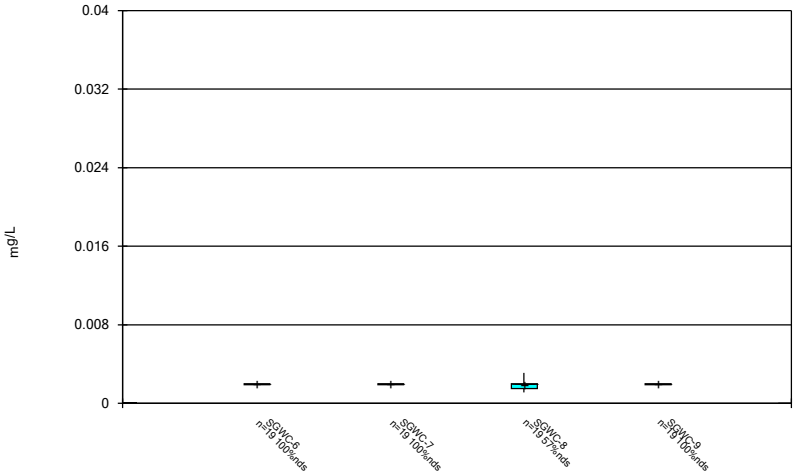
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

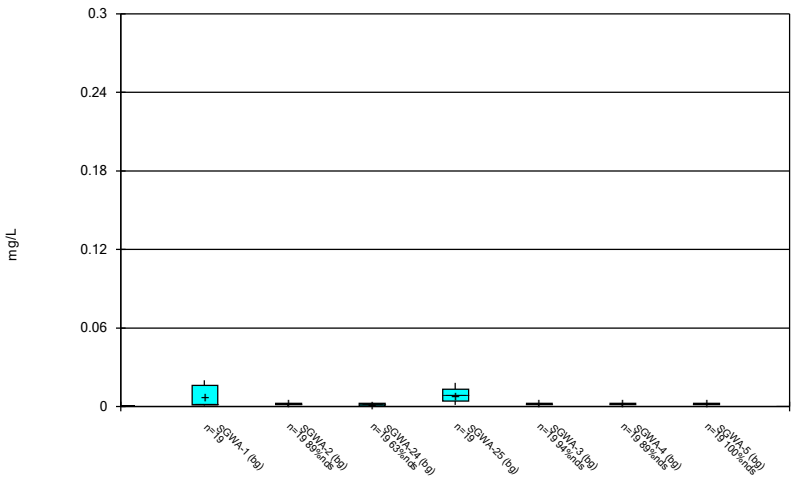
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

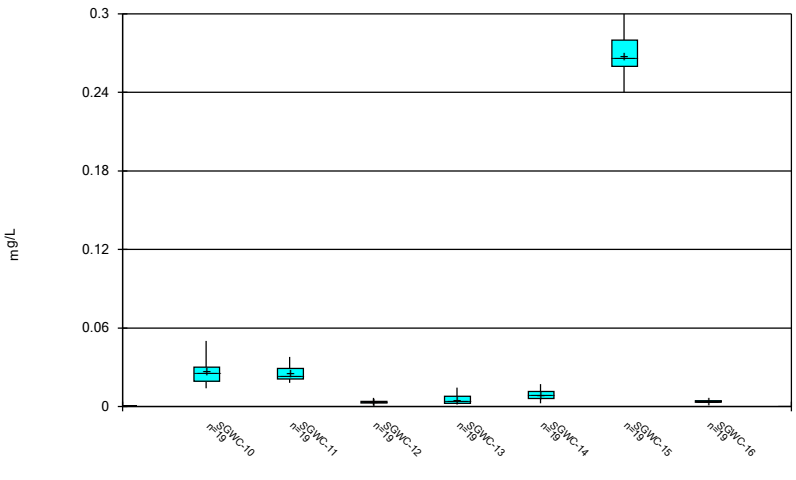
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

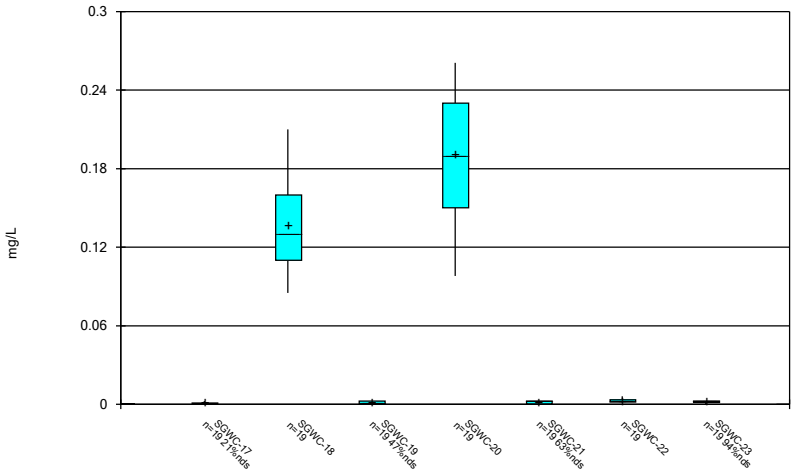
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

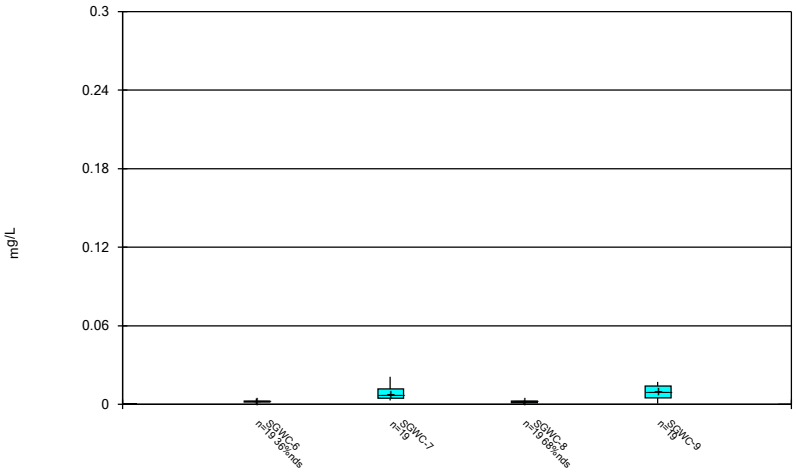
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

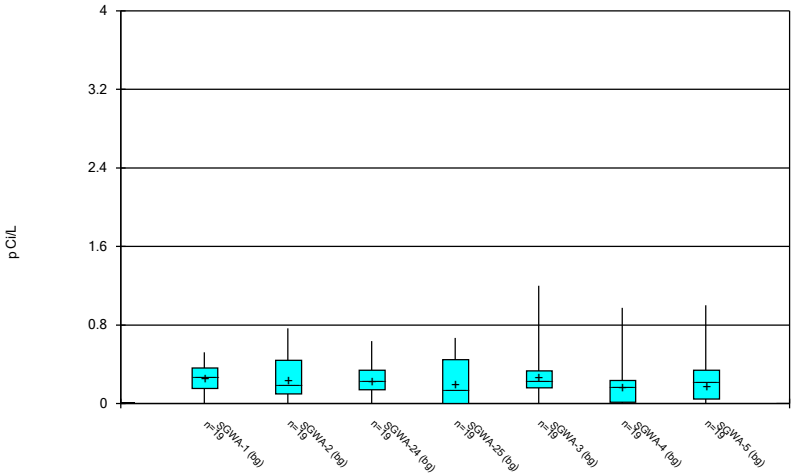
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

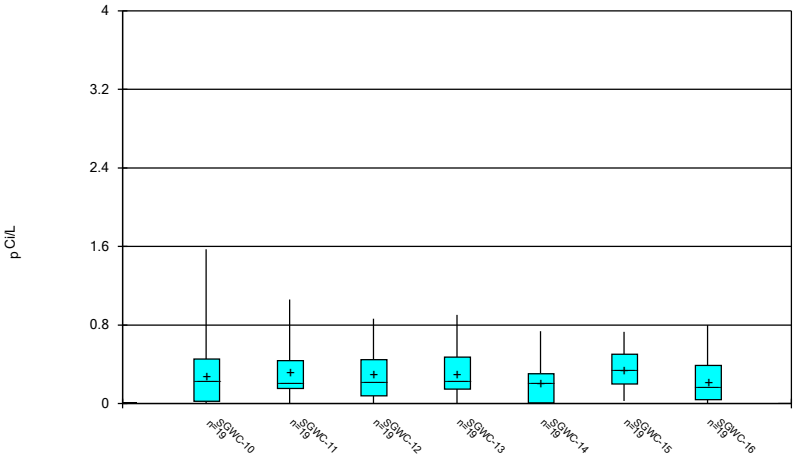
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

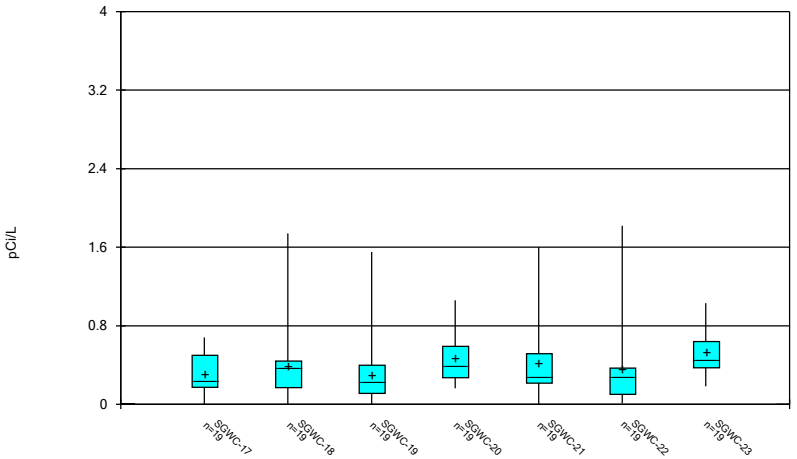
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

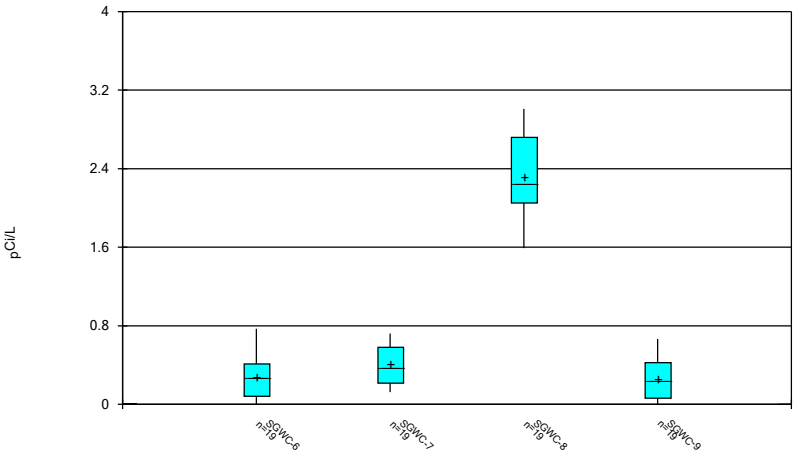
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

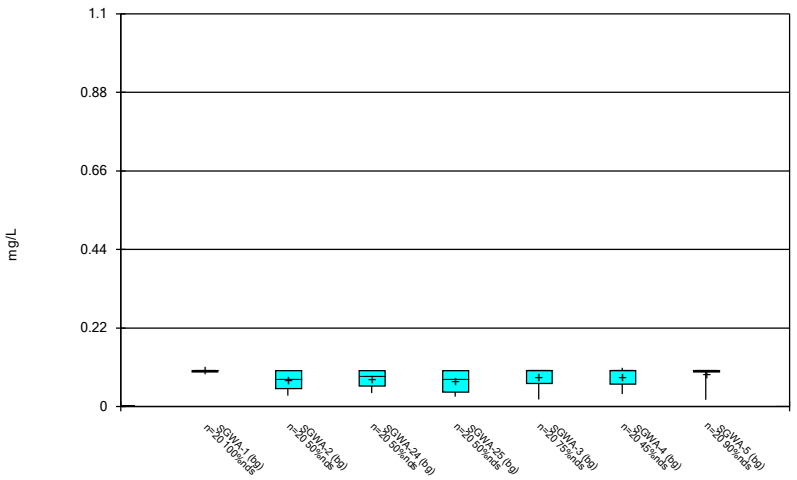
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

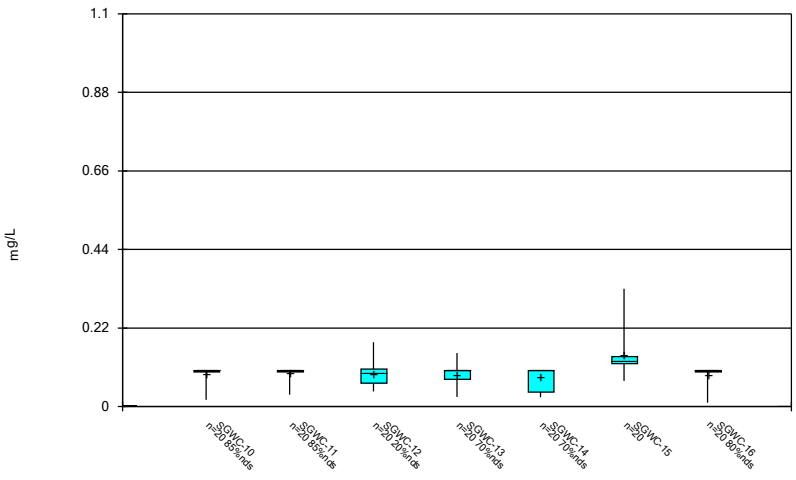
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

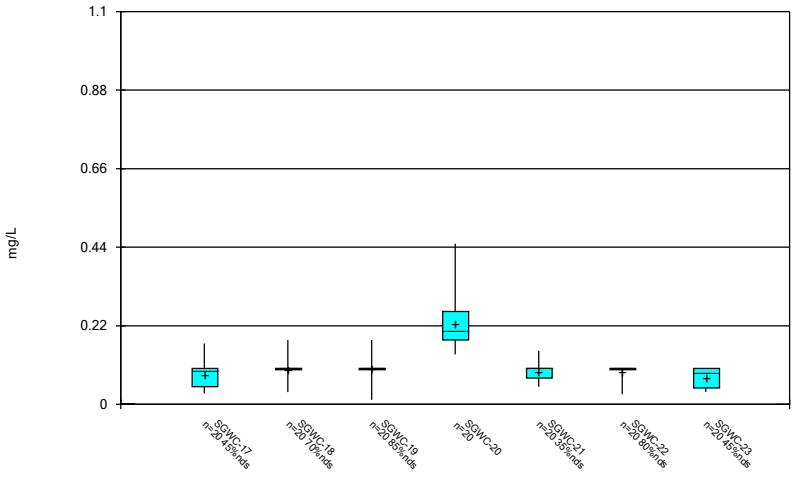
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

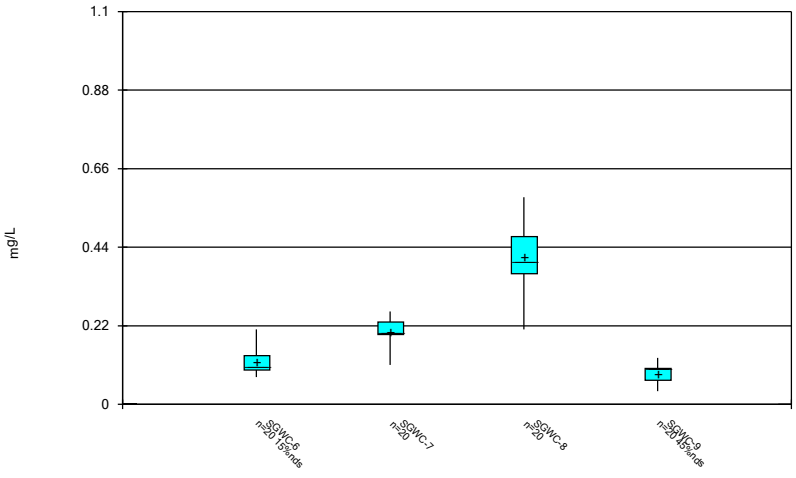
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

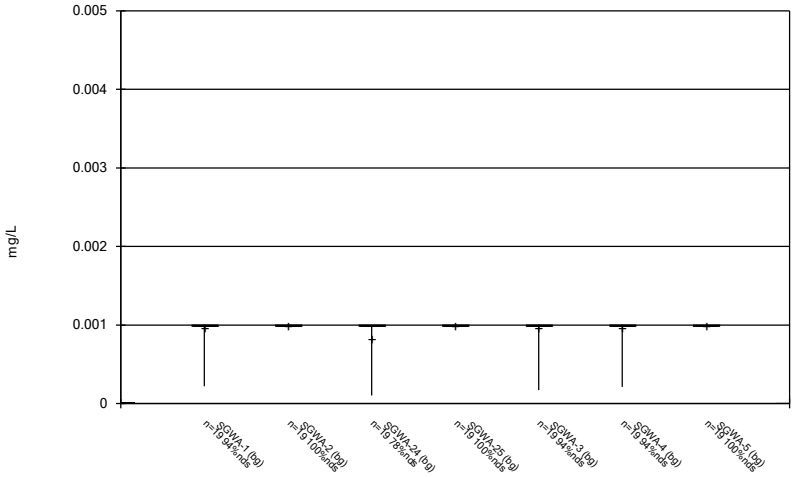
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

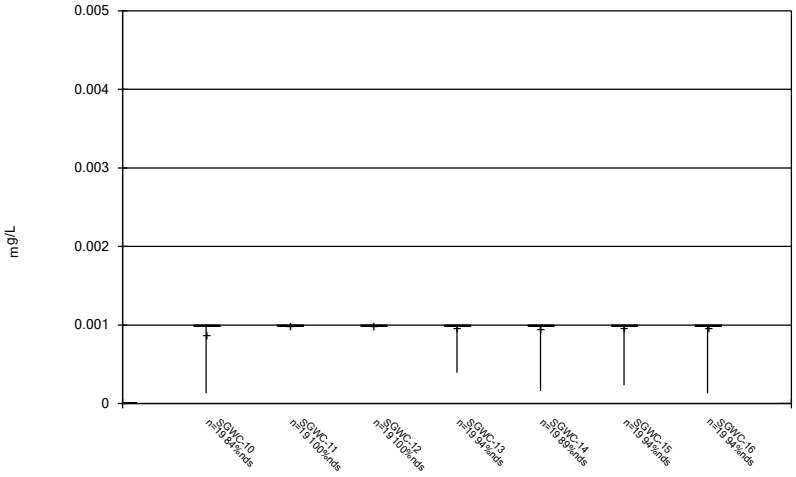
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

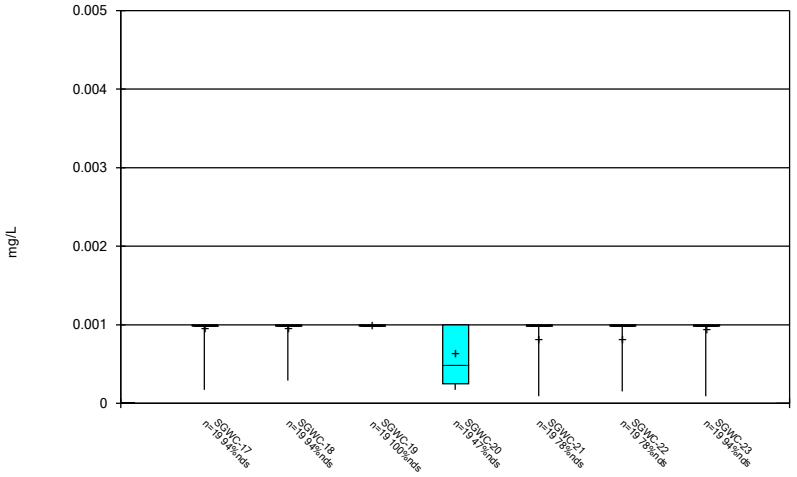
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

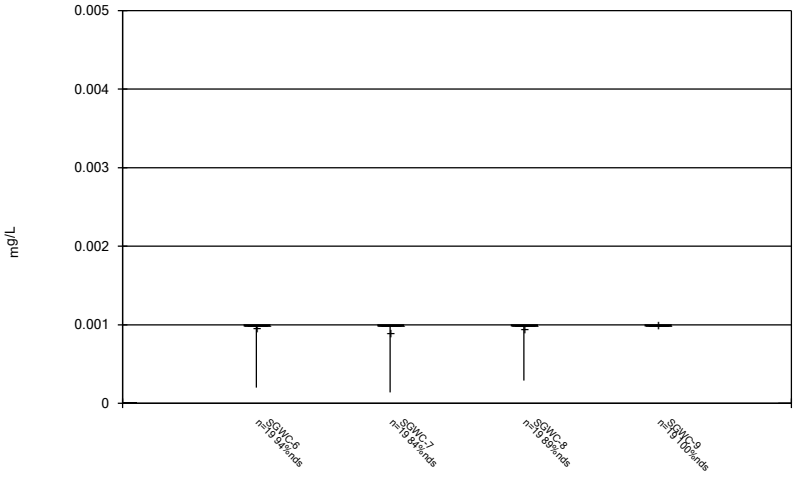
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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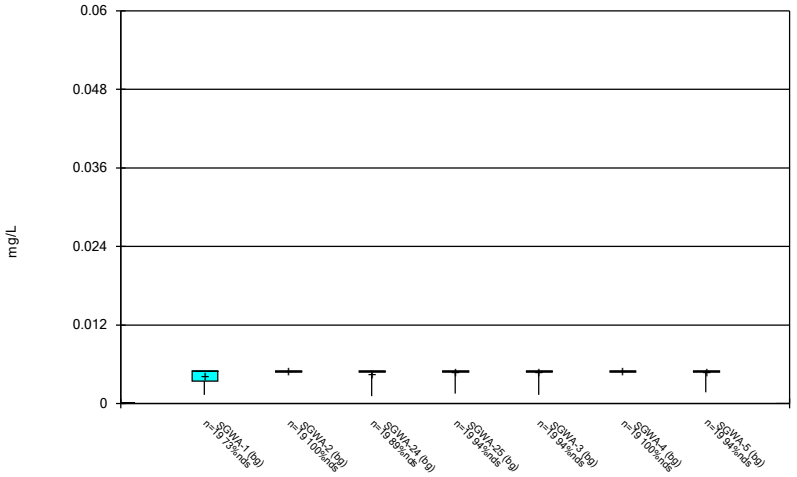
Plant Scherer Client: Southern Company Data: Scherer AP

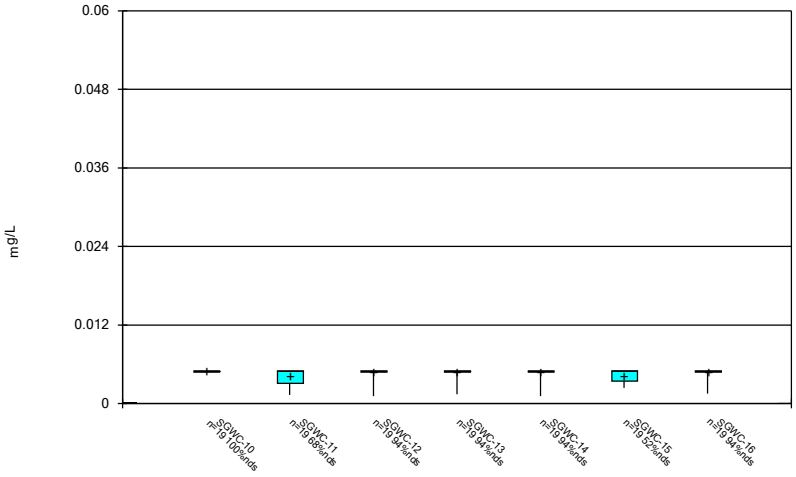
Box & Whiskers Plot



Constituent: Lithium Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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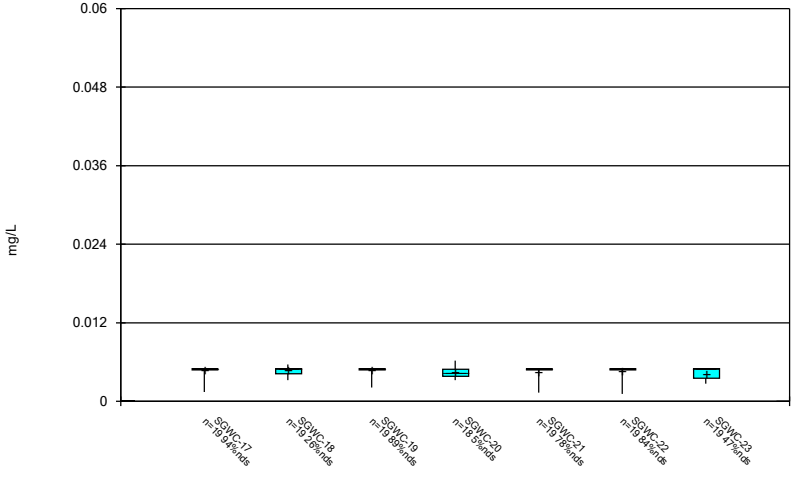
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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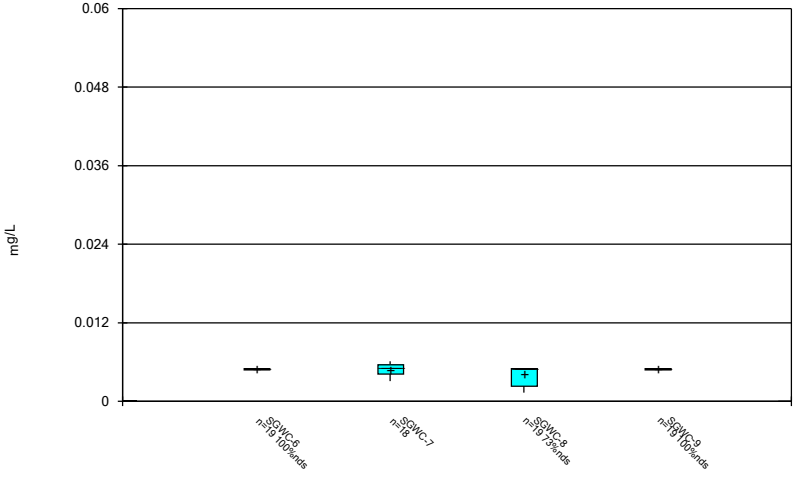
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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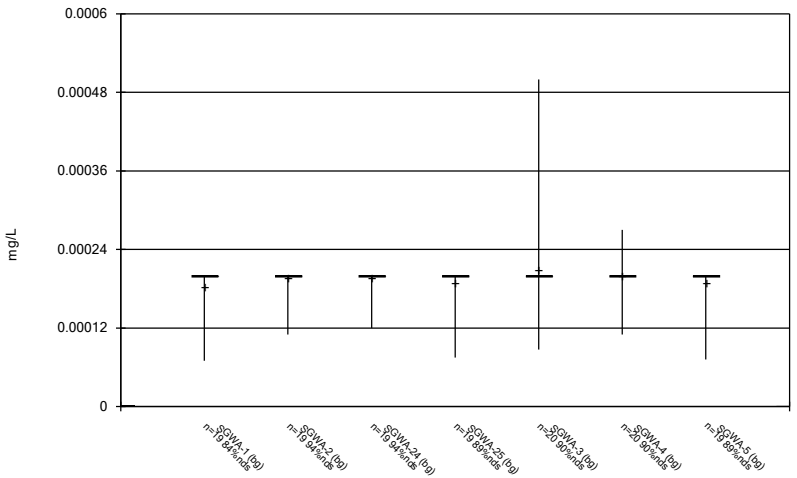
Plant Scherer Client: Southern Company Data: Scherer AP

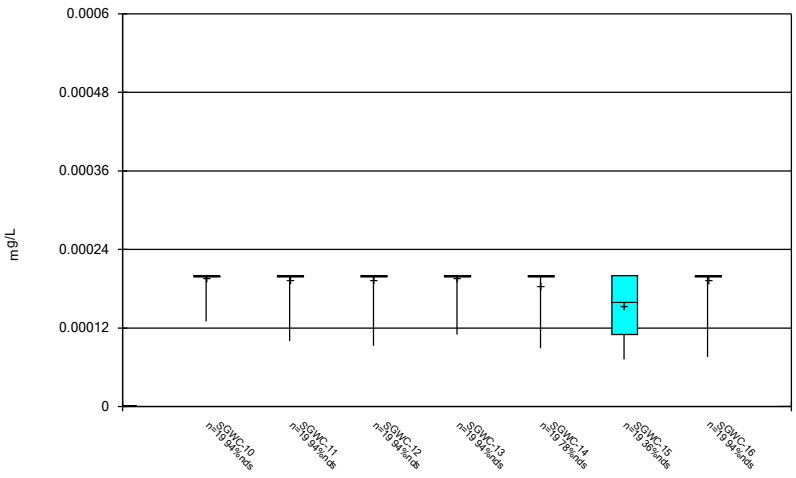
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/26/2021 9:09 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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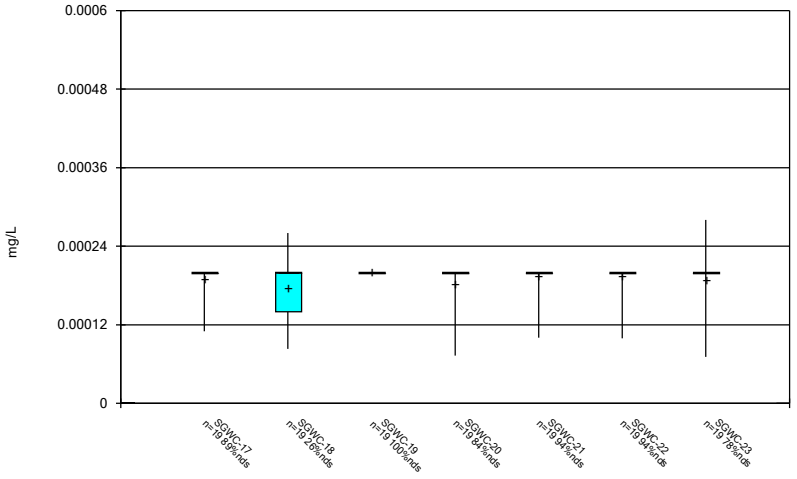
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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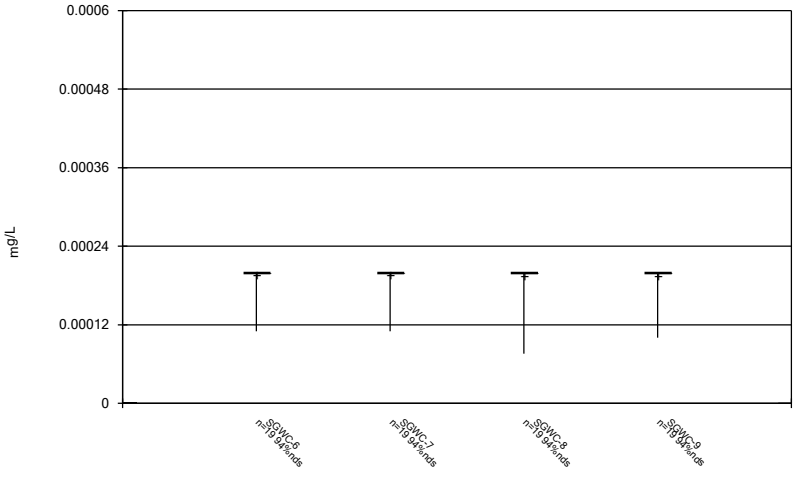

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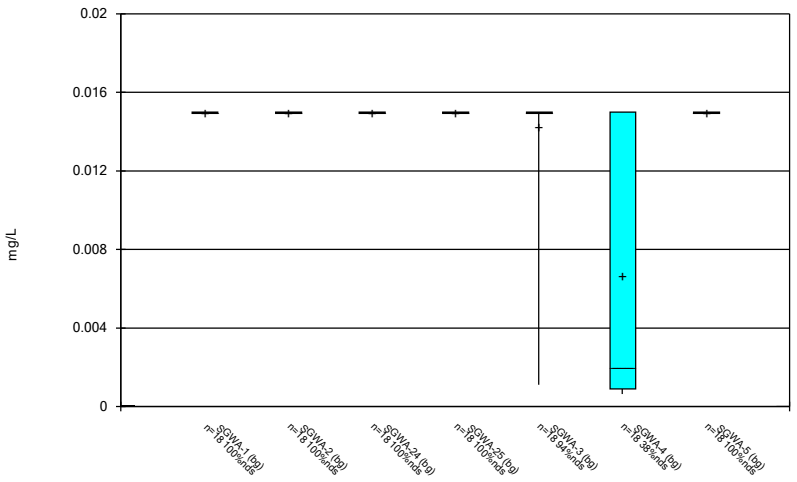
Plant Scherer Client: Southern Company Data: Scherer AP

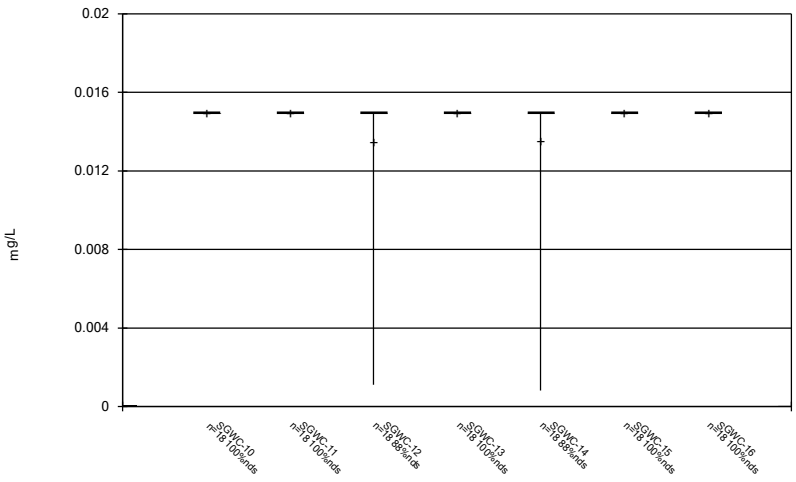
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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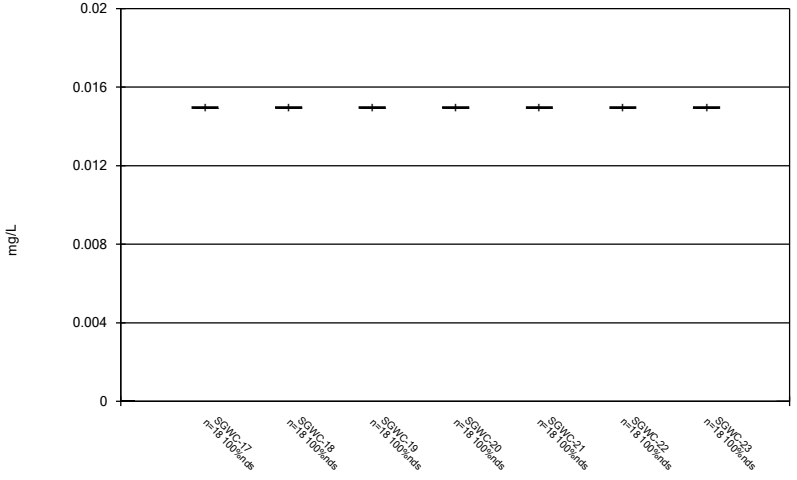
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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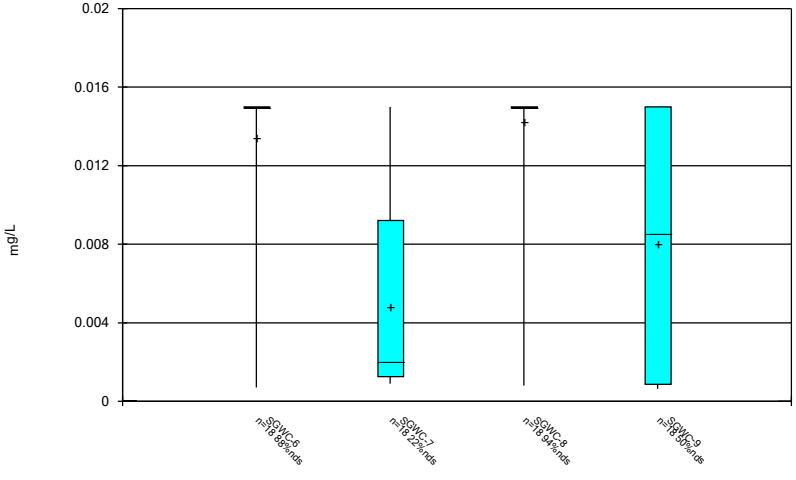
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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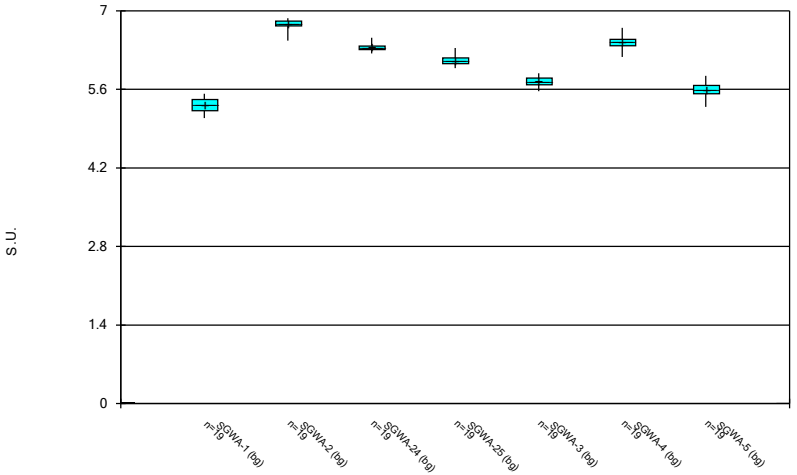
Plant Scherer Client: Southern Company Data: Scherer AP

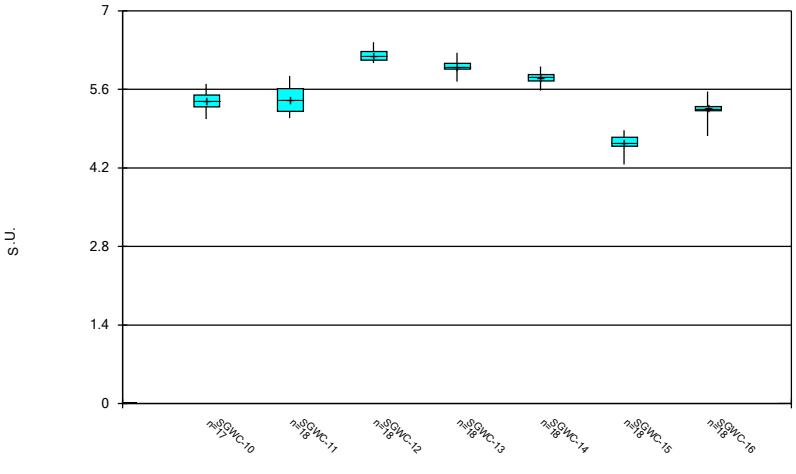
Box & Whiskers Plot



Constituent: pH Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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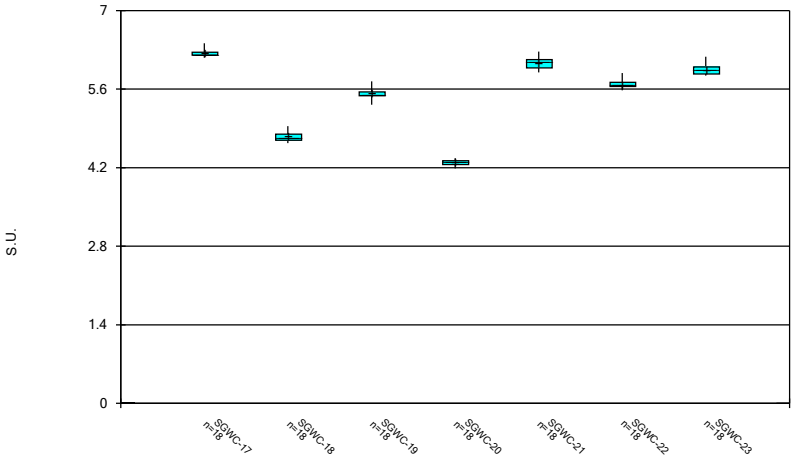
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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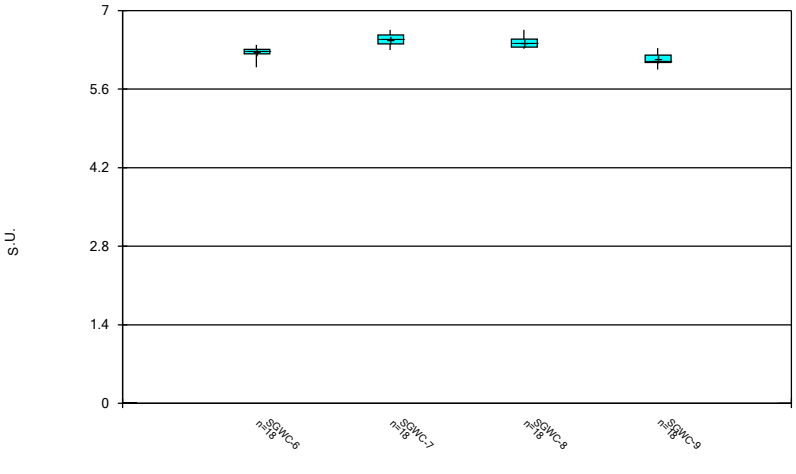
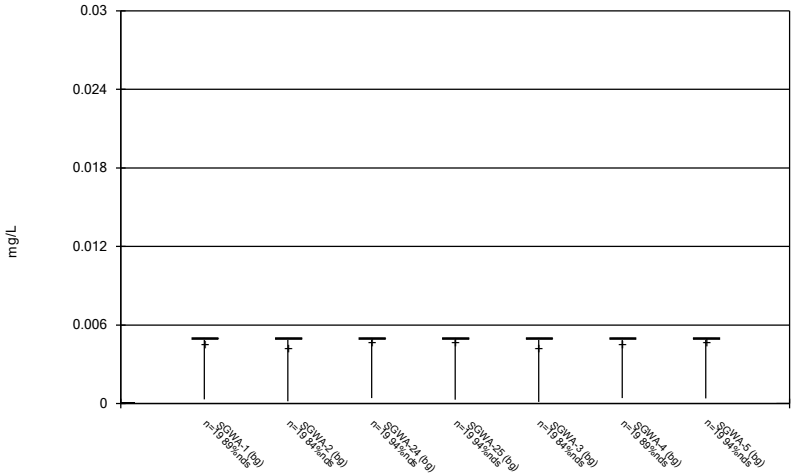
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: pH Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



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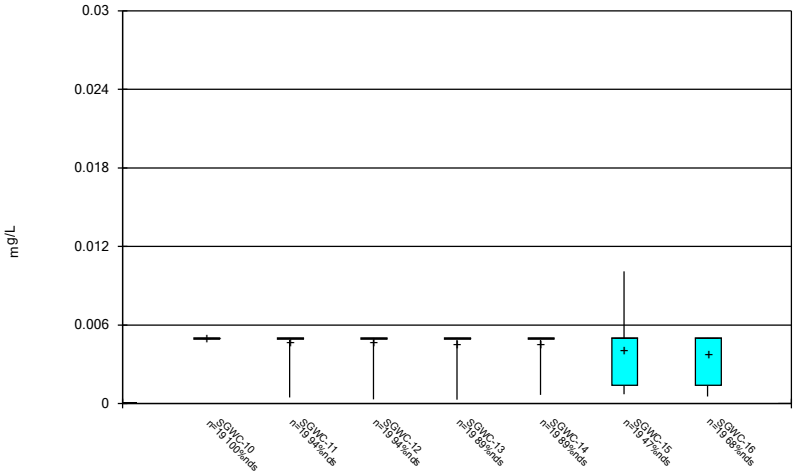
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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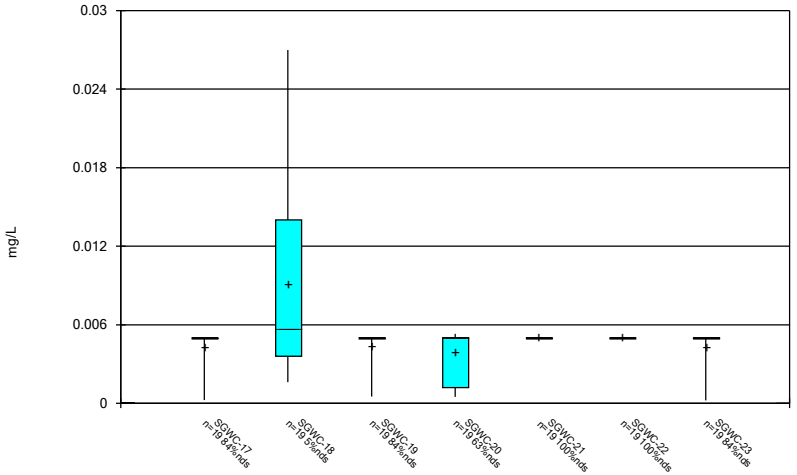
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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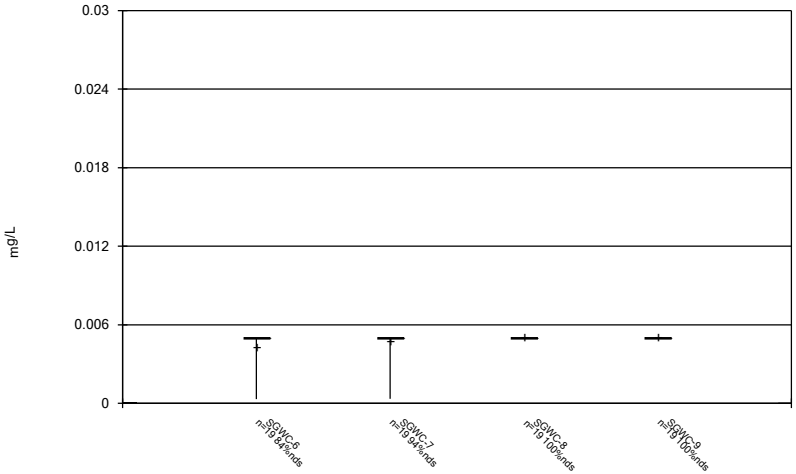
Box & Whiskers Plot



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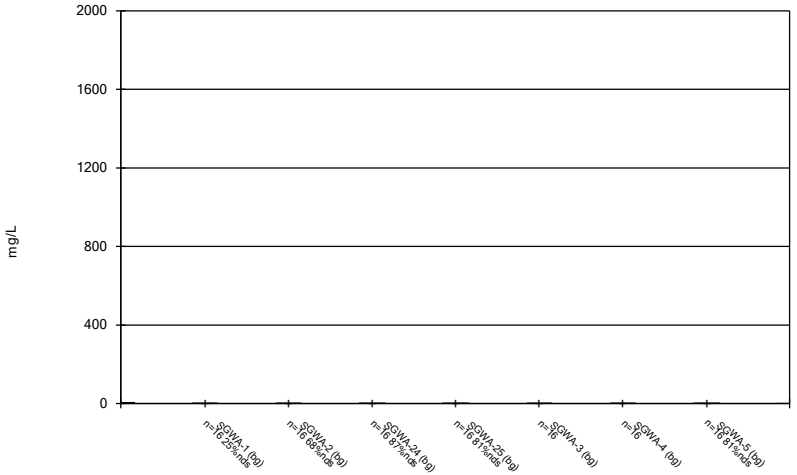
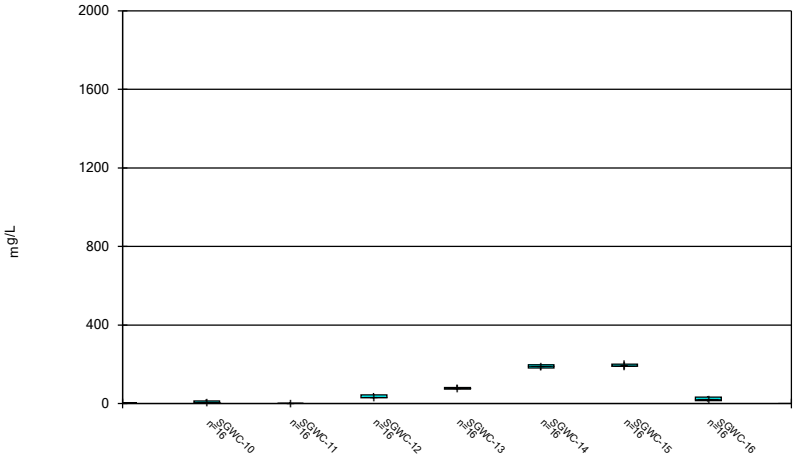
Box & Whiskers Plot



Constituent: Sulfate, total Analysis Run 5/26/2021 9:10 PM View: Appendix III & IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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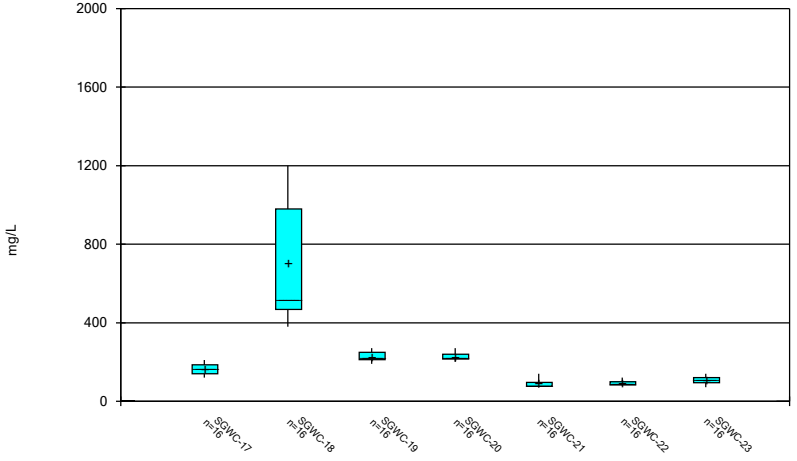
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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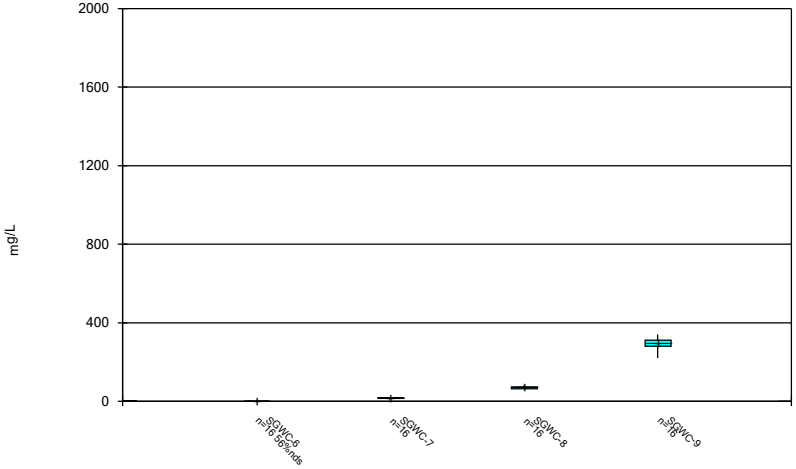

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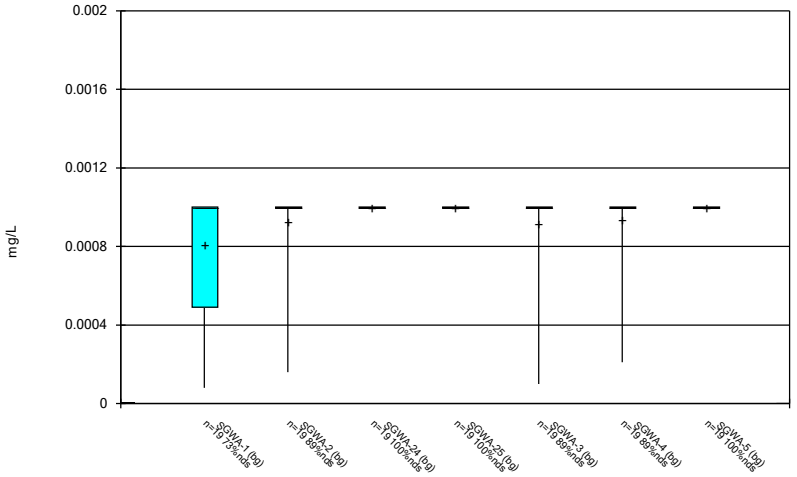
Box & Whiskers Plot



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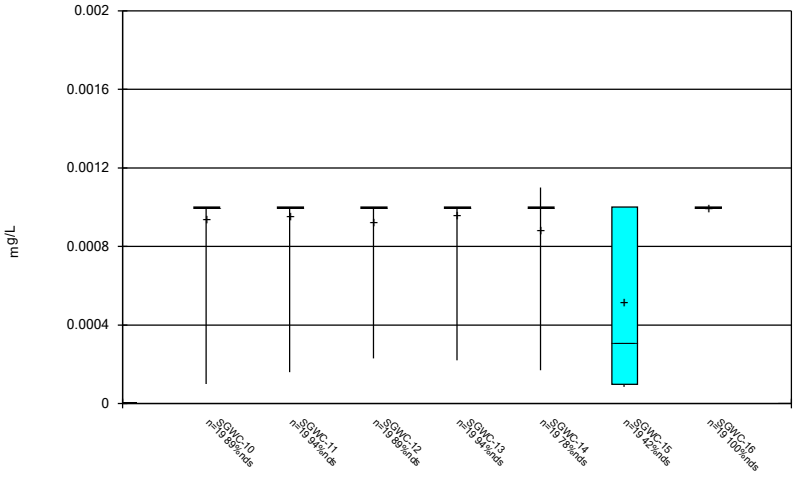
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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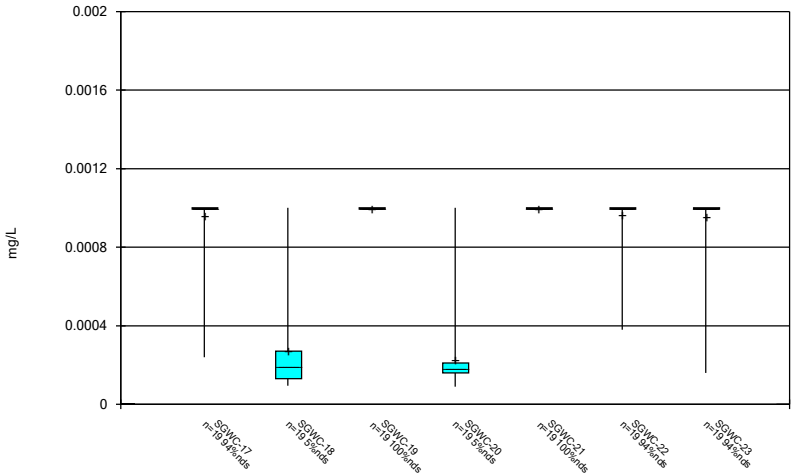
Box & Whiskers Plot



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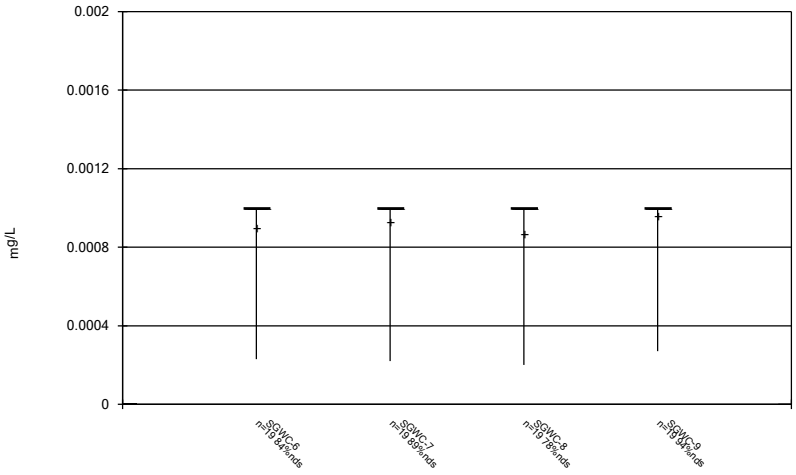
Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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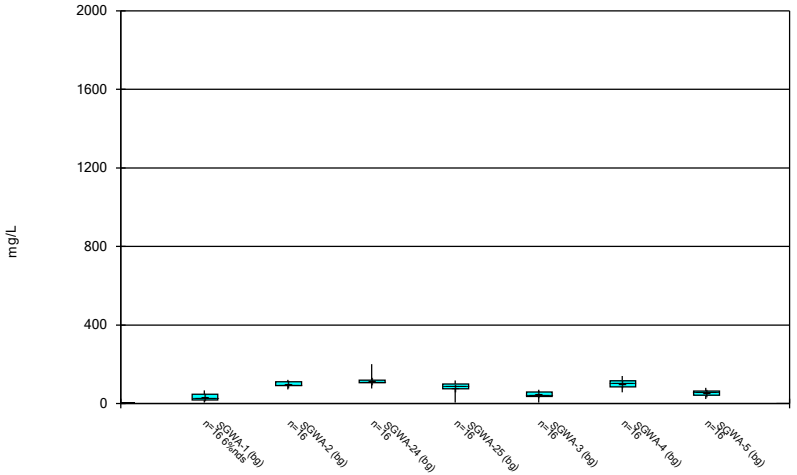
Plant Scherer Client: Southern Company Data: Scherer AP

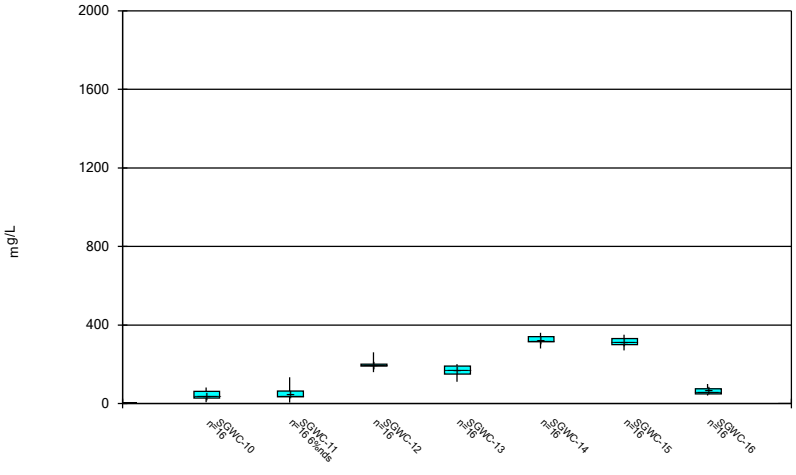
Box & Whiskers Plot



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

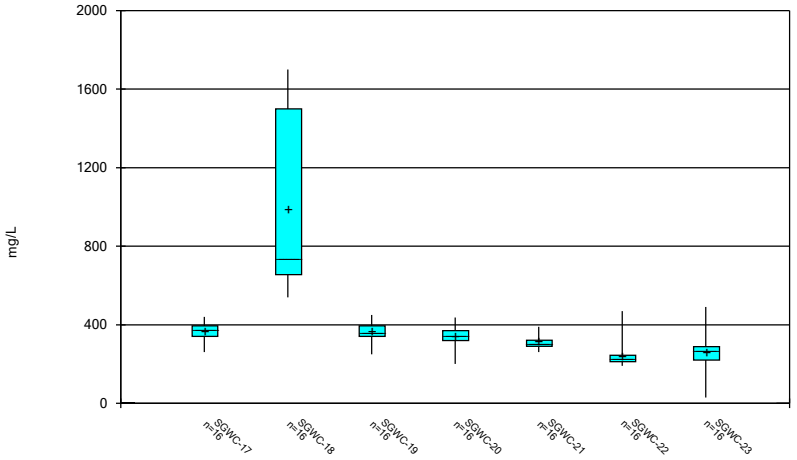
Box & Whiskers Plot



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

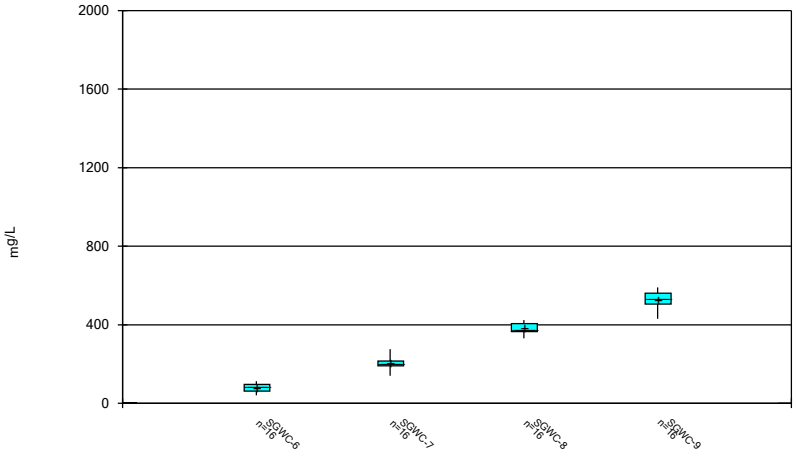
Box & Whiskers Plot



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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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.	Transform	Alpha	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	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-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

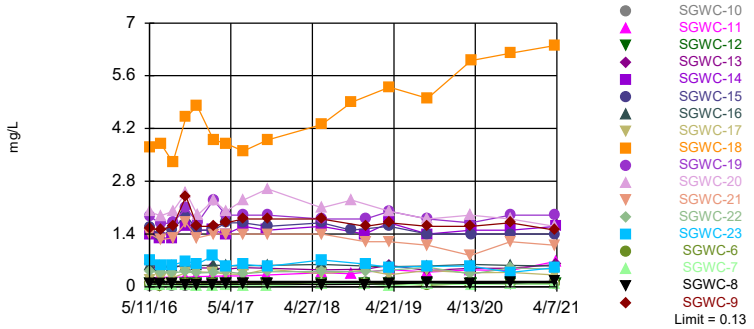
Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	**SGWC-6**	**0.108**	**n/a**	**4/1/2021**	**0.14**	**Yes**	**140**	**n/a**	**n/a**	**65.71**	**n/a**	**n/a**	**0.00009905**	**NP Inter (NDs) 1 of 2**
Fluoride, total (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**

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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

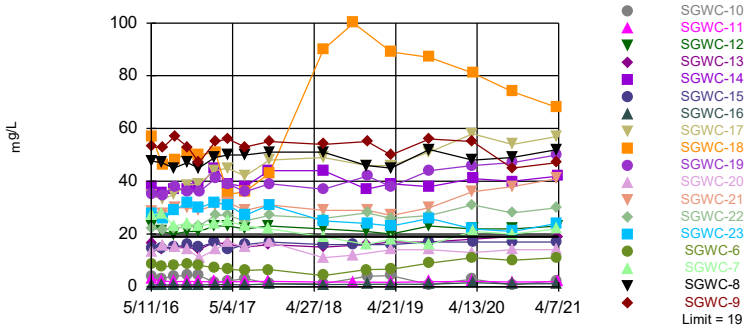
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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

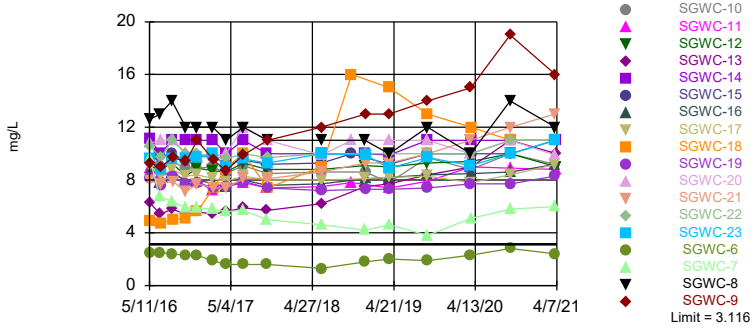
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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

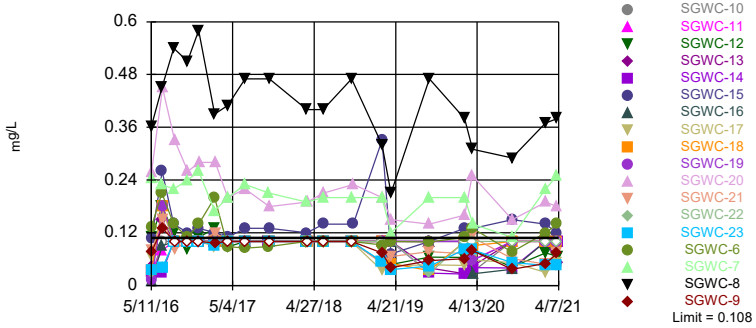
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: SGWC-15, SGWC-20, SGWC-6, SGWC-7, SGWC-8

Prediction Limit

Interwell Non-parametric



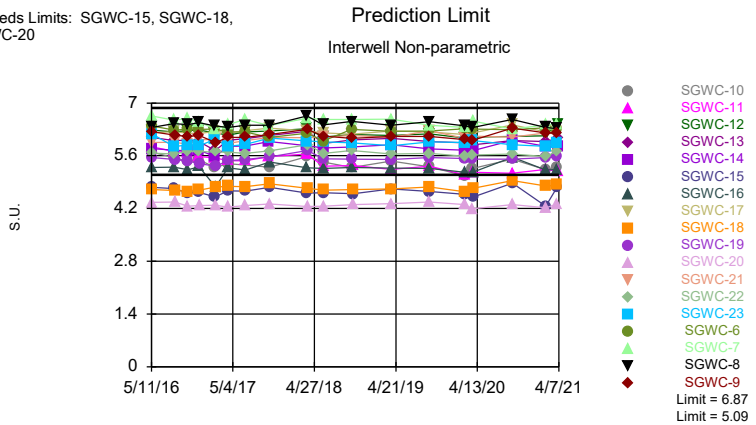
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 140 background values. 65.71% NDs. Annual per-constituent alpha = 0.00356. Individual comparison alpha = 0.00009905 (1 of 2). Comparing 18 points to limit.

Constituent: Fluoride, total Analysis Run 5/26/2021 9:13 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limits: SGWC-15, SGWC-18, SGWC-20



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 133 background values. Annual per-constituent alpha = 0.007996. Individual comparison alpha = 0.0002225 (1 of 2). Comparing 18 points to limit.

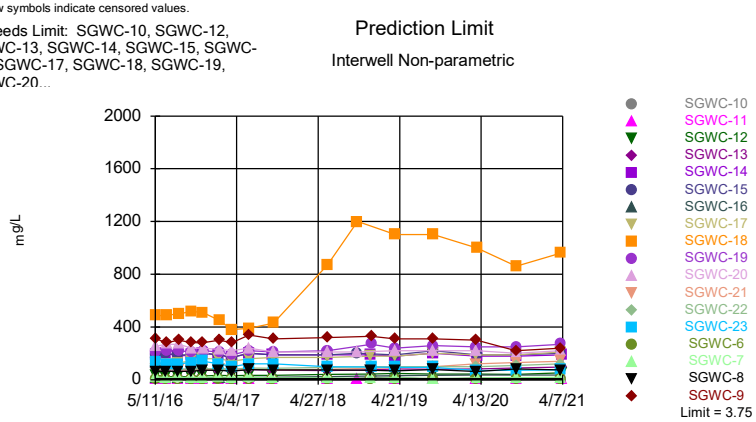
Constituent: pH Analysis Run 5/26/2021 9:13 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: SGWC-10, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20...



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.

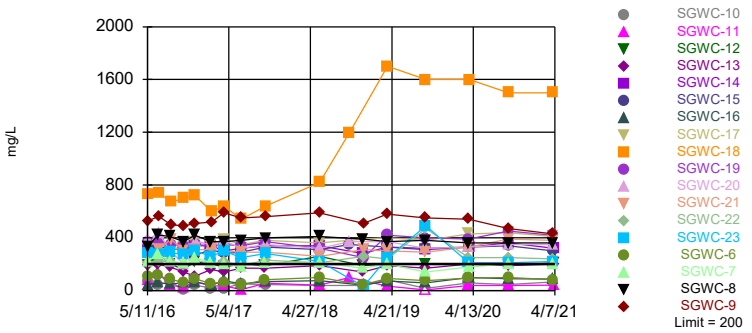
Constituent: Sulfate, total Analysis Run 5/26/2021 9:13 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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...



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	0.27	<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
5/10/2016									
5/11/2016	1.54	<0.08	0.0359 (J)	<0.08	0.0678 (J)				
5/12/2016						1.99	1.4	0.195	0.411
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		0.0051 (J)	0.0354 (J)		0.0767 (J)				
6/28/2016				0.0054 (J)					
6/29/2016	1.52					1.88	1.25	0.198 (J)	0.373 (J)
6/30/2016									
8/16/2016									
8/17/2016		<0.08	0.039 (J)		0.067				
8/18/2016				<0.08				0.24	
8/19/2016									0.37
8/22/2016	1.6					2	1.3		
10/13/2016									
10/14/2016									
10/17/2016		<0.08		<0.08	0.059				
10/18/2016	2.4		0.039 (J)			2.5	1.7		0.41
10/19/2016								0.37 (D)	
12/5/2016									
12/6/2016		<0.08	0.03 (J)	<0.08	0.054				
12/7/2016	1.6						1.3	0.4	0.36
12/8/2016						1.9			
2/14/2017		<0.08	0.031 (J)		0.063				
2/15/2017				<0.08				0.38	
2/16/2017	1.6					2.3	1.4		0.38 (J)
4/10/2017									
4/11/2017									
4/12/2017		<0.08	0.039 (J)	<0.08	0.068				
4/13/2017	1.7					2	1.4	0.34	0.4
6/26/2017									
6/27/2017	1.8	<0.08	0.028 (J)	<0.08	0.067			0.33	
6/28/2017						2.3	1.4		0.35
10/10/2017									
10/11/2017		<0.08	0.026 (J)	<0.08					
10/12/2017	1.8				0.075	2.6	1.4	0.47	0.4
6/5/2018									
6/6/2018	1.8	<0.08	<0.08	<0.08	0.059				
6/7/2018						2.1	1.4	0.35	0.41
6/8/2018									
10/16/2018									
10/18/2018						2.3 (D)			
12/13/2018									
12/14/2018		<0.08	<0.08	<0.08	0.064			0.44	
12/17/2018	1.6						1.2		0.4
3/28/2019									
3/29/2019									
4/1/2019	1.7		0.025 (J)	<0.08	0.076				
4/2/2019		<0.08				2	1.2	0.32	0.44
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-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
5/10/2016									
5/11/2016	53.1	8.7	27.2	23.1	47.6				
5/12/2016						13.2	28.7	34.8	21.9
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		7.48	27.9		47				
6/28/2016				21					
6/29/2016	52.6					15.8	27.9	33.1	21.8
6/30/2016									
8/16/2016									
8/17/2016		8	23		45				
8/18/2016				20				35	
8/19/2016									22
8/22/2016	57					15	30		
10/13/2016									
10/14/2016									
10/17/2016		8.6		21	47				
10/18/2016	53		24			14	30		23
10/19/2016								38.5 (D)	
12/5/2016									
12/6/2016		8.2	23	21	45				
12/7/2016	47						29	39	23
12/8/2016						11			
2/14/2017		7.2	24		49				
2/15/2017				23				44	
2/16/2017	55					14	31		27
4/10/2017									
4/11/2017									
4/12/2017		6.7	25	23	50				
4/13/2017	56					17	32	45	27
6/26/2017									
6/27/2017	53 (D)	6.2 (D)	23 (D)	22 (D)	50 (D)			42 (D)	
6/28/2017						15 (D)	29 (D)		25 (D)
10/10/2017									
10/11/2017		6.5	22	23					
10/12/2017	55				51	17	31	48	27
6/5/2018									
6/6/2018	54	4.2	19	22	51				
6/7/2018						11	29	49	26
6/8/2018									
10/16/2018									
10/18/2018						12 (D)			
12/13/2018									
12/14/2018		6.5	16	21	46			46	
12/17/2018	55						29		28
3/28/2019									
3/29/2019									
4/1/2019	50		18	20	45				
4/2/2019		6.7				14	27	46	26
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-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
5/10/2016									
5/11/2016	9.29	2.44	9.65	9.04	12.6				
5/12/2016						10.8	7.93	9.11	10.6
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		2.5	6.7		13				
6/28/2016				8.8					
6/29/2016	9					11	7.7	8.3	9.7
6/30/2016									
8/16/2016									
8/17/2016		2.4	6.4		14				
8/18/2016				9.3				8.8	
8/19/2016									11
8/22/2016	9.7					11	7.9		
10/13/2016									
10/14/2016									
10/17/2016		2.3		8.3	12				
10/18/2016	9.4		5.9			10	7.1		10
10/19/2016								8.3 (D)	
12/5/2016									
12/6/2016		2.3	5.9	8.9	12				
12/7/2016	11						7.7	8.4	10
12/8/2016						9.7			
2/14/2017		1.9	5.8		12				
2/15/2017				8.7				8.1	
2/16/2017	9.5					9.8	7.4		9.8
4/10/2017									
4/11/2017									
4/12/2017		1.6	5.6	8.6	11				
4/13/2017	8.7					10	7.4	7.9	9.6
6/26/2017									
6/27/2017	9.9	1.6	5.7	9.3	12			8.3	
6/28/2017						12	8.1		10
10/10/2017									
10/11/2017		1.6	5	8.8					
10/12/2017	11				11	11	8.1	8	9.7
6/5/2018									
6/6/2018	12	1.3	4.6	8.8	11				
6/7/2018						9.9	8.6	8	10
6/8/2018									
10/16/2018									
10/18/2018						11 (D)			
12/13/2018									
12/14/2018		1.8	4.2	9.1	11			8.1	
12/17/2018	13						9.3		10
3/28/2019									
3/29/2019									
4/1/2019	13		4.6	9	10				
4/2/2019		2				11	9.3	8.2	10
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-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)
5/10/2016	5.51	5.84	5.75	6.14	6.34	6.83			
5/11/2016							5.7	6.28	6.49
5/12/2016									
5/13/2016									
8/16/2016	5.42	5.64	5.72		6.35	6.73			
8/17/2016				6.1			5.55		6.42
8/18/2016								6.23	
8/19/2016									
8/22/2016									
10/13/2016	5.52				6.34				
10/14/2016		5.59	5.71	6.14		6.47			
10/17/2016							5.45	6.27	6.44
10/18/2016									
10/19/2016									
12/5/2016					6.32				
12/6/2016	5.33	5.46	5.68	6.19		6.74	5.49	6.28	6.48
12/7/2016									
12/8/2016									
2/14/2017	5.29	5.29	5.57	6.34	6.33	6.85			6.18
2/15/2017							5.29	6.21	
2/16/2017									
4/10/2017					6.31				
4/11/2017	5.21	5.54	5.7	6.16		6.75			6.49
4/12/2017							5.39	6.15	
4/13/2017									
6/26/2017	5.25	5.54	5.68		6.35	6.82			6.48
6/27/2017				6.08				6.23	
6/28/2017									
10/10/2017	5.49				6.37	6.87			
10/11/2017		5.43	5.63	6.16				6.26	6.42
10/12/2017							5.3		
3/26/2018	5.39		5.89		6.32	6.77			
3/27/2018		5.52		6.12			5.58	6.32	6.53
3/28/2018									
6/5/2018	5.38	5.59		6.06	6.27	6.73			
6/6/2018			5.62				5.43	6.1	6.7
6/7/2018									
6/8/2018									
10/5/2018	5.46	5.7	5.76		6.37	6.81			
10/8/2018				6.16				6.16	6.53
10/9/2018							5.29		
10/16/2018									
10/18/2018									
3/28/2019		5.67	5.88	6.15					6.53
3/29/2019	5.22				6.31	6.81			
4/1/2019							5.46	6.14	
4/2/2019									
9/12/2019		5.59							
9/13/2019					6.36				
9/16/2019	5.22		5.8	6.05		6.82		6.18	6.44
9/17/2019							5.31		
9/18/2019									

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
5/10/2016									
5/11/2016	6.39	6.66	6.35	5.84	6.24				
5/12/2016						6.09	5.29	4.76	4.36
5/13/2016									
8/16/2016									
8/17/2016	6.28	6.55	6.45	5.71					
8/18/2016						6	5.3	4.73	
8/19/2016									
8/22/2016					6.15				4.37
10/13/2016									
10/14/2016									
10/17/2016	6.3		6.43	5.69		6.01			
10/18/2016		6.59			6.11		5.23	4.62	4.26
10/19/2016									
12/5/2016									
12/6/2016	6.3	6.51	6.48	5.58		5.98			
12/7/2016					6.14		5.31	4.63	
12/8/2016									4.28
2/14/2017	6.31	6.3	6.39						
2/15/2017				5.54		5.74		4.51	
2/16/2017					5.95		4.77		4.29
4/10/2017									
4/11/2017									
4/12/2017	6.23	6.43	6.35	5.47		6.01		4.67	
4/13/2017					6.09		5.28		4.24
6/26/2017									
6/27/2017	6.23	6.56	6.41	5.47	6.09	6.05	5.22 (D)	4.66	
6/28/2017									4.28
10/10/2017									
10/11/2017	6.09	6.4		5.58		6.14			
10/12/2017			6.41		6.16		5.43	4.76	4.32
3/26/2018									
3/27/2018	6.2	6.6	6.66	5.65		6.25	5.28	4.61	
3/28/2018					6.3				4.25
6/5/2018									
6/6/2018	5.99	6.56	6.42	5.32	6.12				
6/7/2018						5.93	5.26	4.62	4.26
6/8/2018									
10/5/2018									
10/8/2018	6.3					6.02	5.29		
10/9/2018		6.56	6.51		6.06				
10/16/2018				5.34				4.59	
10/18/2018									4.3
3/28/2019									
3/29/2019									
4/1/2019		6.57	6.41	5.24	6.11	6.06		4.72	
4/2/2019	6.25						5.27		4.33
9/12/2019									
9/13/2019									
9/16/2019	6.26			5.32	6.11				
9/17/2019		6.41	6.5			5.98	5.26	4.65	4.37
9/18/2019									

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
5/10/2016									
5/11/2016	313	0.866 (J)	21.6	30.1	61.6				
5/12/2016						255	76.9	125	85.3
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		0.86 (J)	17		64				
6/28/2016				25					
6/29/2016	280					270	78	120	84
6/30/2016									
8/16/2016									
8/17/2016		<1	19		63				
8/18/2016				24				130	
8/19/2016									81
8/22/2016	300					270	78		
10/13/2016									
10/14/2016									
10/17/2016		<1		23	64				
10/18/2016	280		17			240	70		83
10/19/2016								140 (D)	
12/5/2016									
12/6/2016		<1	18	28	72				
12/7/2016	280						80	160	85
12/8/2016						240			
2/14/2017		1	21		73				
2/15/2017				33				160	
2/16/2017	300					230	77		83
4/10/2017									
4/11/2017									
4/12/2017		<1	18	30	64				
4/13/2017	280					220	70	140	79
6/26/2017									
6/27/2017	340	<1	19	33	77			160	
6/28/2017						240	82		90
10/10/2017									
10/11/2017		<1	15	33					
10/12/2017	310				74	210	76	170	87
6/5/2018									
6/6/2018	320	<1	14	41	74				
6/7/2018						210	79	170	94
6/8/2018									
10/16/2018									
10/18/2018						210			
12/13/2018									
12/14/2018		<1	10	43	72			180	
12/17/2018	330						88		99
3/28/2019									
3/29/2019									
4/1/2019	310		16	48	67				
4/2/2019		1.3				220	92	180	100
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-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
5/10/2016									
5/11/2016	527	104	222	195	330				
5/12/2016						386	260	261	212
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		112	275		423				
6/28/2016				200					
6/29/2016	562					436	311	323	214
6/30/2016									
8/16/2016									
8/17/2016		86	220		410				
8/18/2016				200				310	
8/19/2016									230
8/22/2016	500					290	390		
10/13/2016									
10/14/2016									
10/17/2016		60		160	370				
10/18/2016	490		210			200	300		190
10/19/2016								330 (D)	
12/5/2016									
12/6/2016		90	250	220	420				
12/7/2016	510						310	370	230
12/8/2016						370			
2/14/2017		54	210		370				
2/15/2017				200				350	
2/16/2017	520					350	310		200
4/10/2017									
4/11/2017									
4/12/2017		64	200	180	370				
4/13/2017	590					380	300	390	220
6/26/2017									
6/27/2017	550	40	180	200	380			350	
6/28/2017						320	290		190
10/10/2017									
10/11/2017		82	210	190					
10/12/2017	560				400	350	290	380	230
6/5/2018									
6/6/2018	590	100	210	260	410				
6/7/2018						320	260	360	210
6/8/2018									
10/16/2018									
10/18/2018						370 (D)			
12/13/2018									
12/14/2018		44	170	190	390			390	
12/17/2018	510						310		260
3/28/2019									
3/29/2019									
4/1/2019	580		200	200	370				
4/2/2019		91				370	300	400	240
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-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

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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
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-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
Boron, total (mg/L)	**SGWC-18**	**0.5525**	**82**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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
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)	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
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-18	6.487	31	58	No	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-21	1.647	46	58	No	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**
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
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)	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
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-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
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-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
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-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
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-8	-0.5011	-41	-58	No	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-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

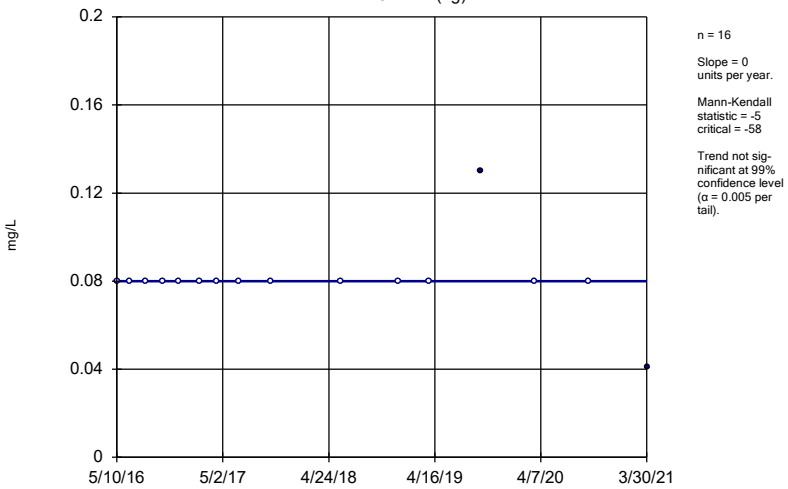
Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/26/2021, 9:32 PM

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
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)	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
Fluoride, total (mg/L)	**SGWC-20**	**-0.0263**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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
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)	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
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-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
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-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
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**
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
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**27.37**	**91**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
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

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -58

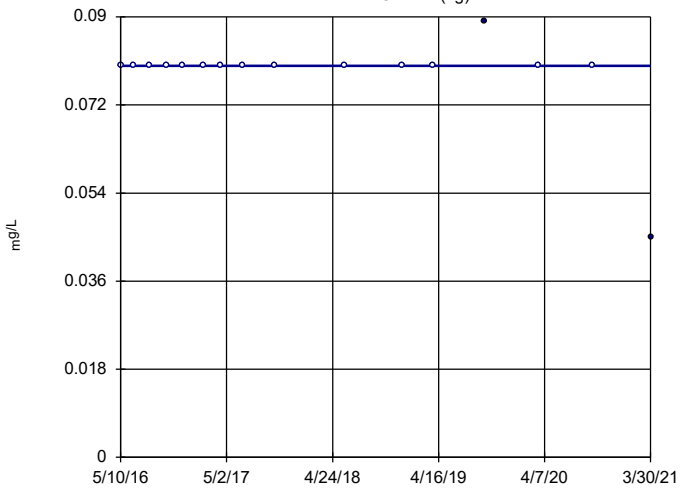
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -58

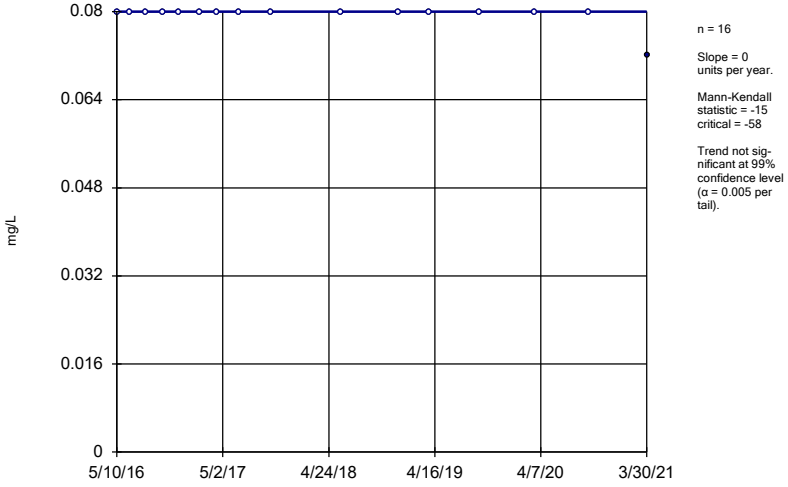
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -58

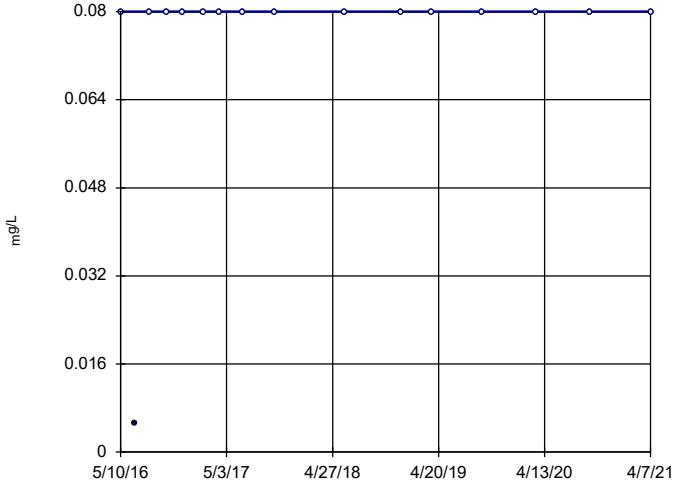
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 13
critical = 58

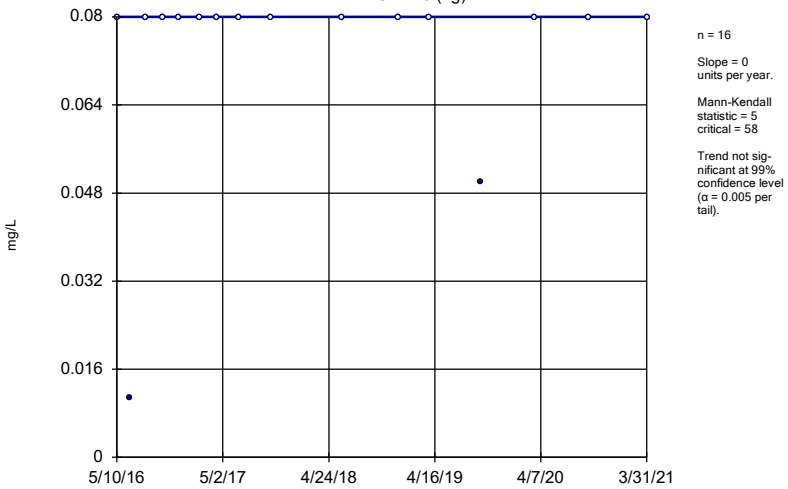
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 58

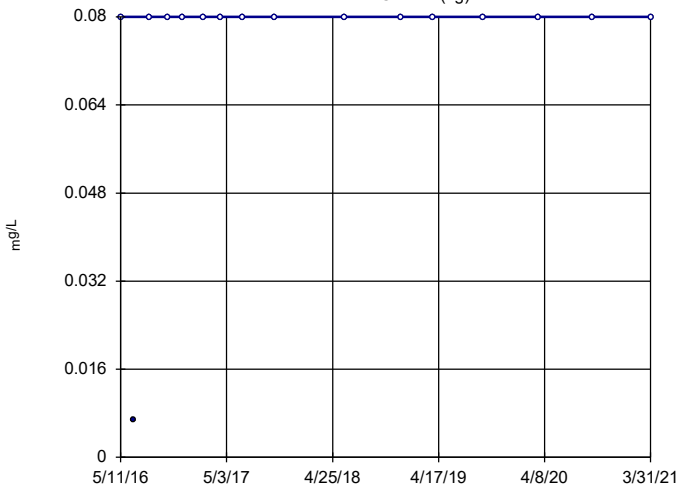
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 13
critical = 58

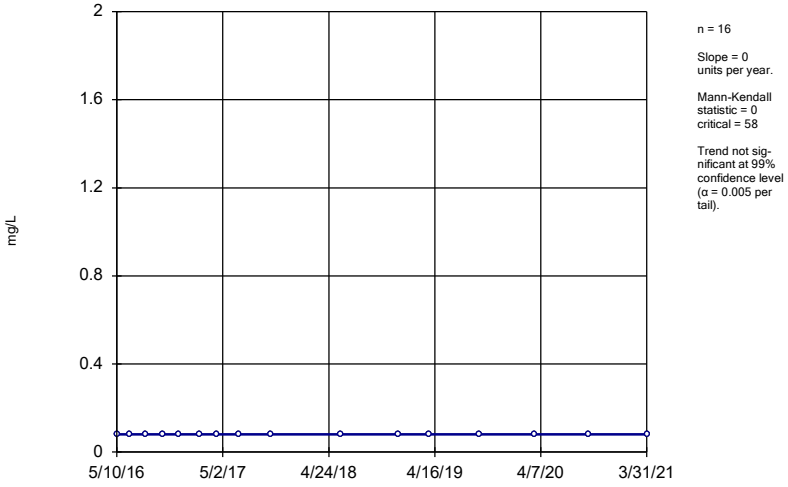
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

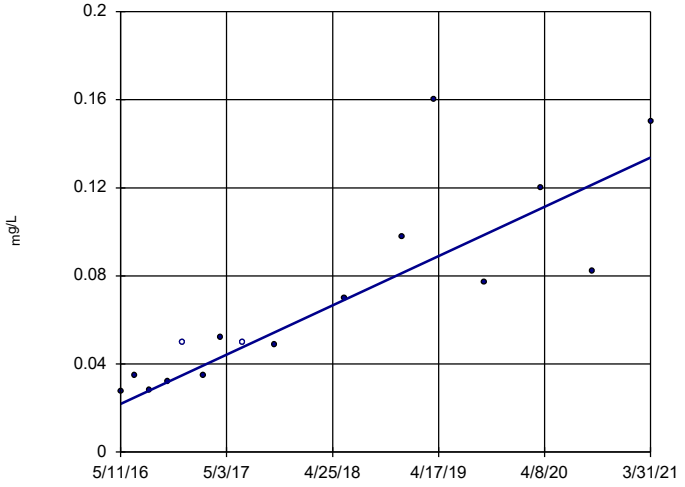
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-10



n = 16

Slope = 0.02288 units per year.

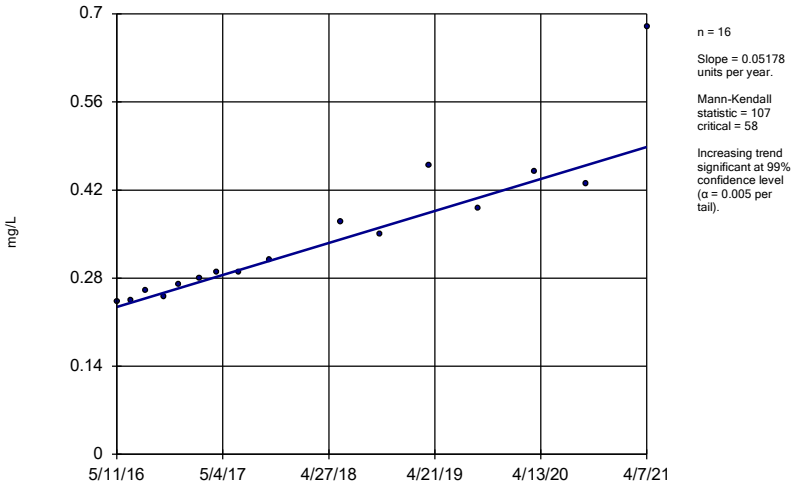
Mann-Kendall statistic = 90
critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 0.05178 units per year.

Mann-Kendall statistic = 107 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

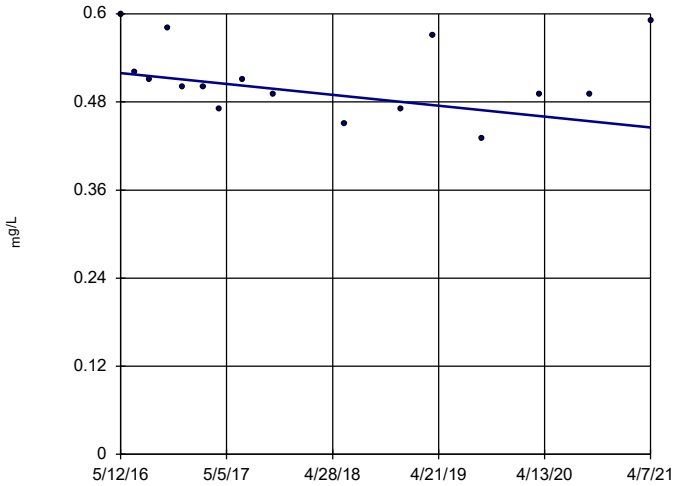
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 16

Slope = -0.01509 units per year.

Mann-Kendall statistic = -38 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

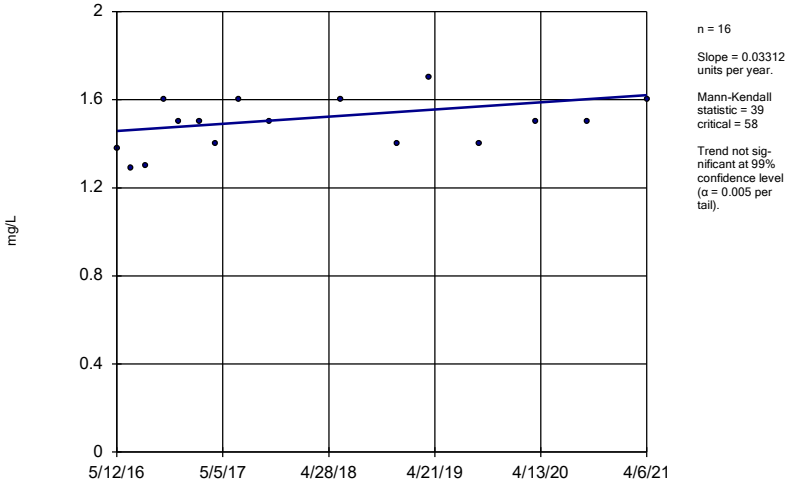
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 16

Slope = 0.03312 units per year.

Mann-Kendall statistic = 39 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

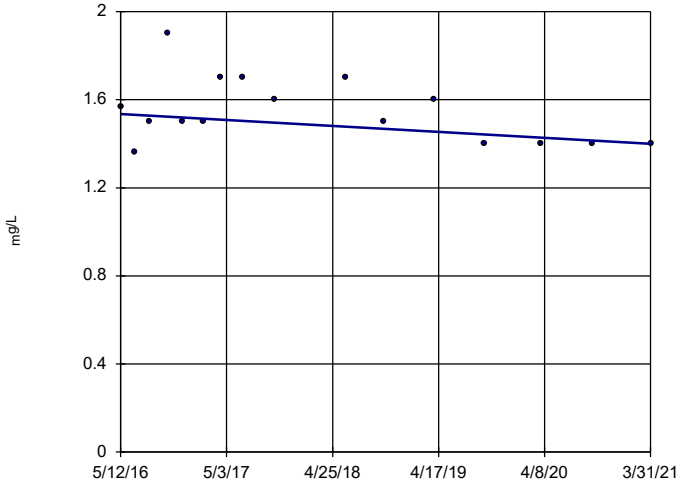
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 16

Slope = -0.02781 units per year.

Mann-Kendall statistic = -28 critical = -58

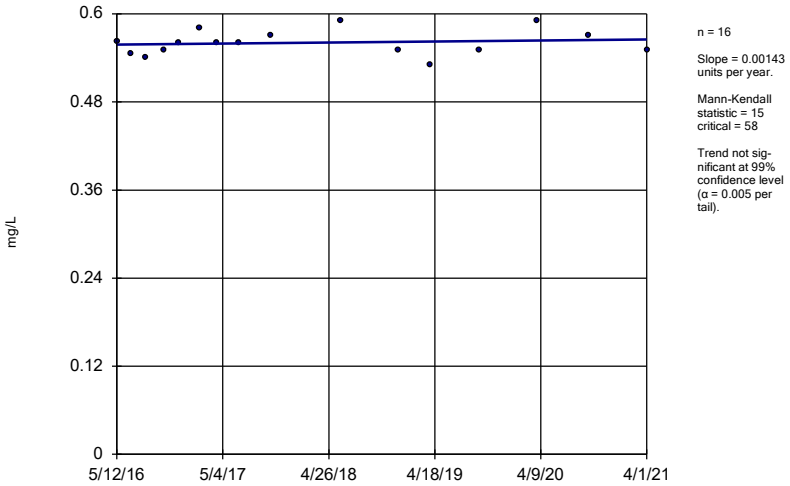
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-16



n = 16

Slope = 0.00143 units per year.

Mann-Kendall statistic = 15 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

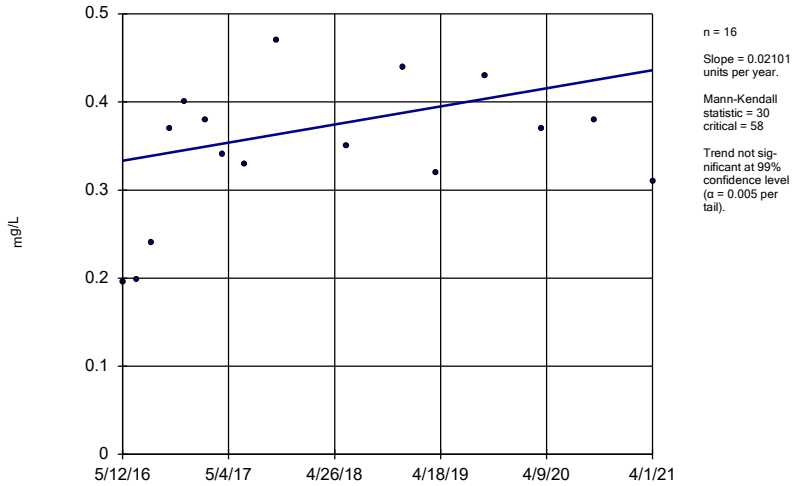
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 16

Slope = 0.02101 units per year.

Mann-Kendall statistic = 30 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

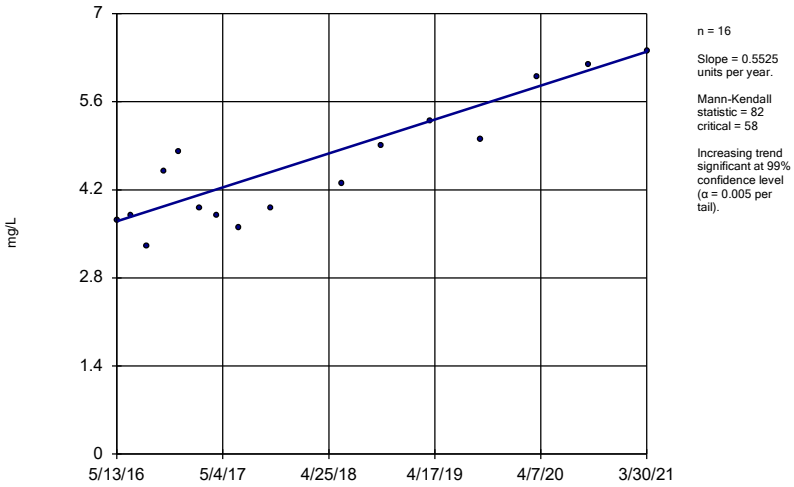
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 16

Slope = 0.5525 units per year.

Mann-Kendall statistic = 82 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

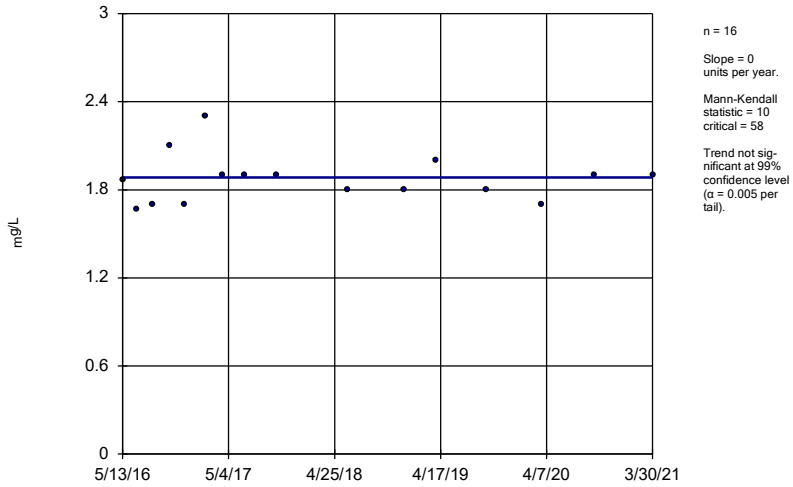
Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 58

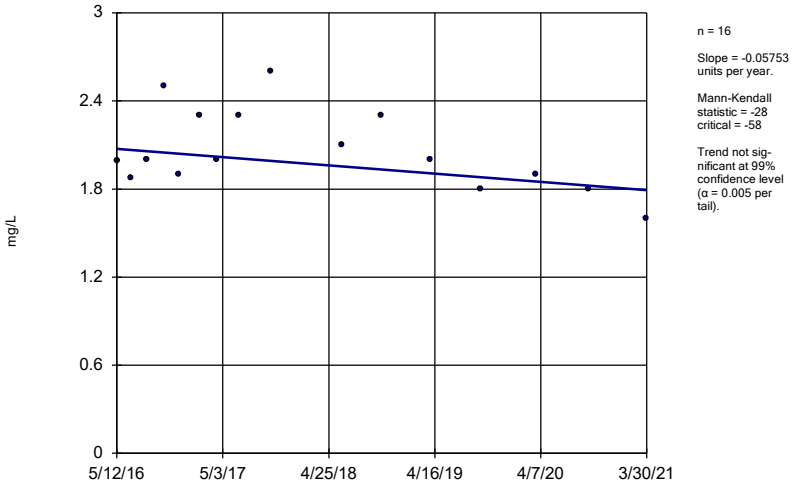
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-20



n = 16

Slope = -0.05753 units per year.

Mann-Kendall statistic = -28
critical = -58

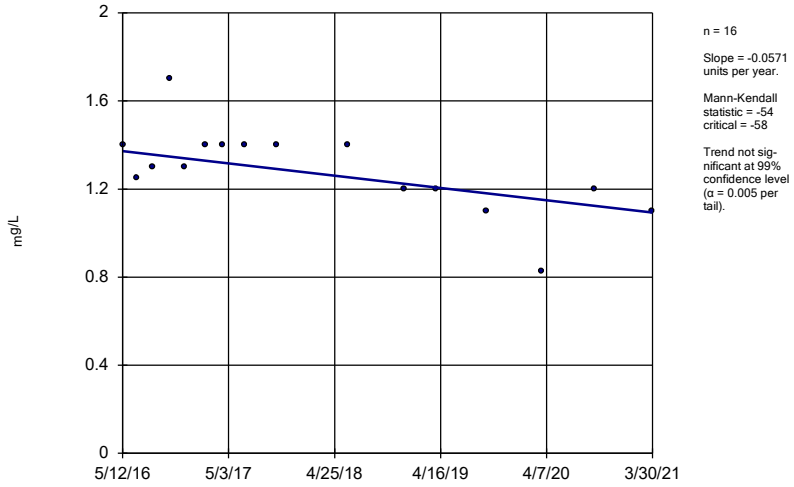
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 16

Slope = -0.0571 units per year.

Mann-Kendall statistic = -54
critical = -58

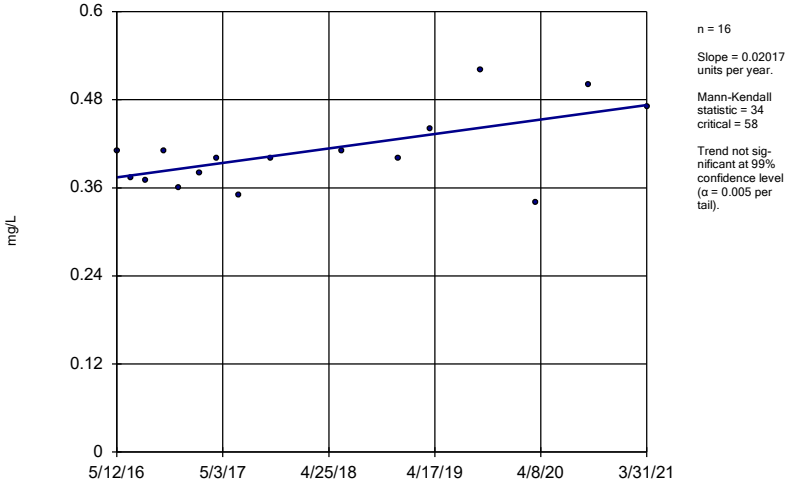
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 16

Slope = 0.02017 units per year.

Mann-Kendall statistic = 34
critical = 58

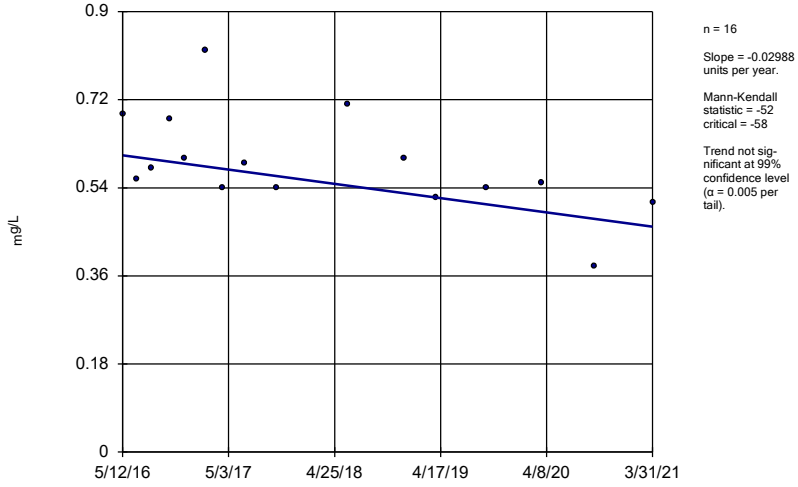
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/26/2021 9:28 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 16

Slope = -0.02988 units per year.

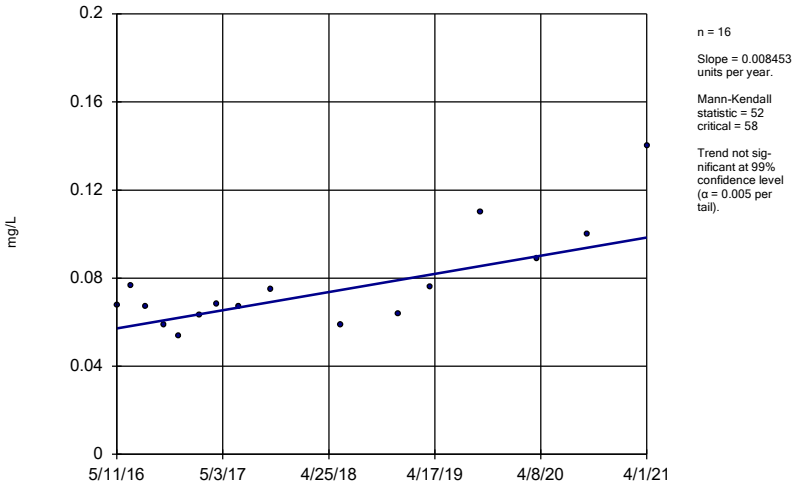
Mann-Kendall statistic = -52
critical = -58

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

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



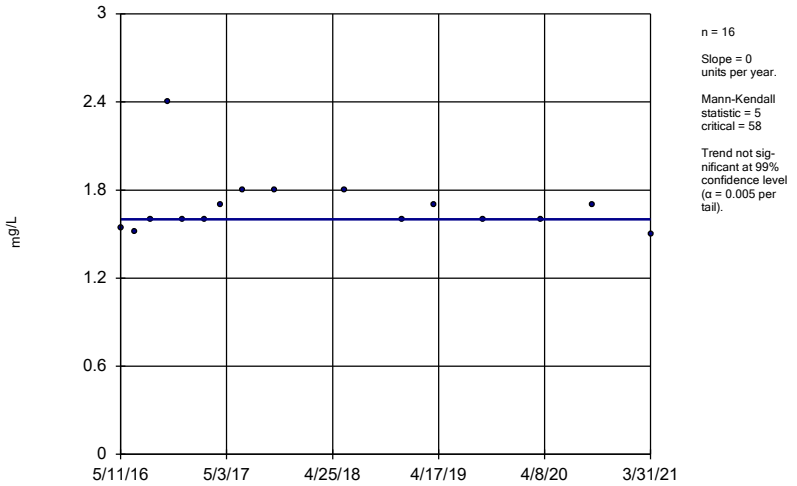
Constituent: Boron, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



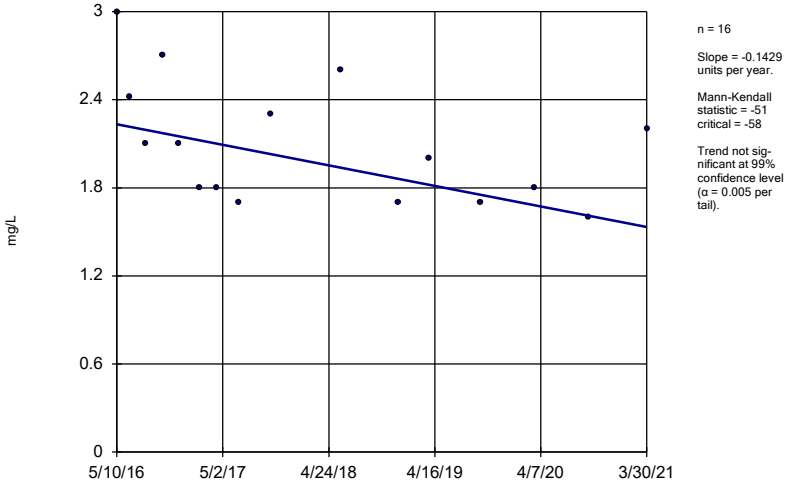
Constituent: Boron, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-1 (bg)



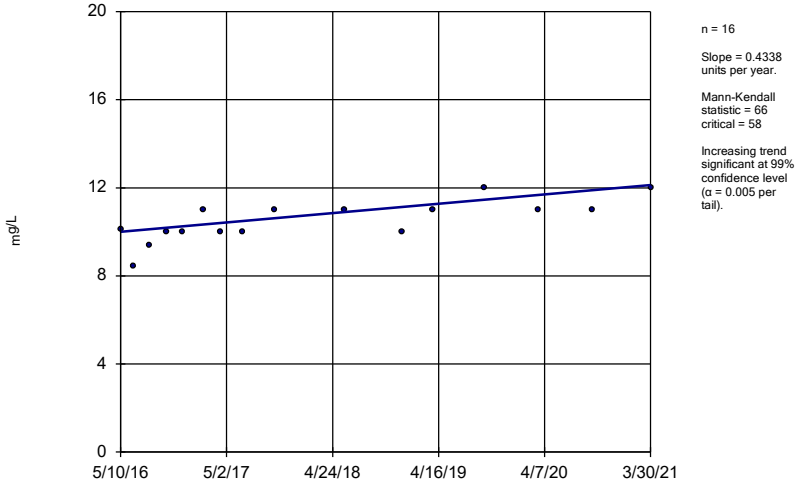
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)

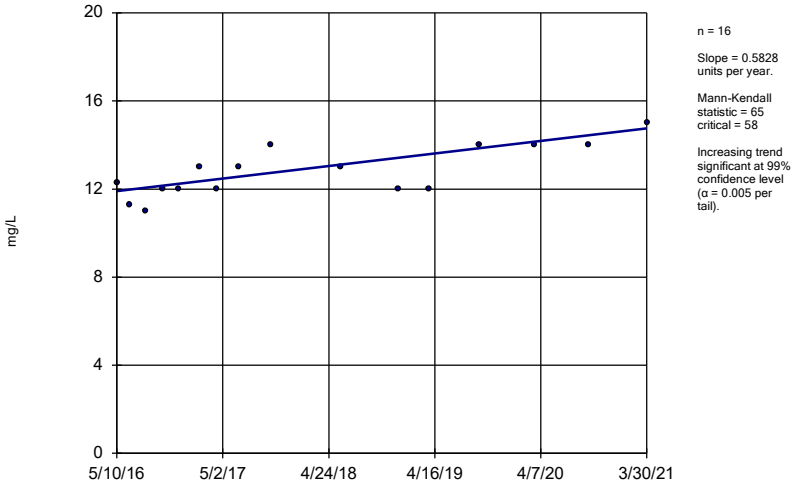


Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-24 (bg)



n = 16

Slope = 0.5828 units per year.

Mann-Kendall statistic = 65 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

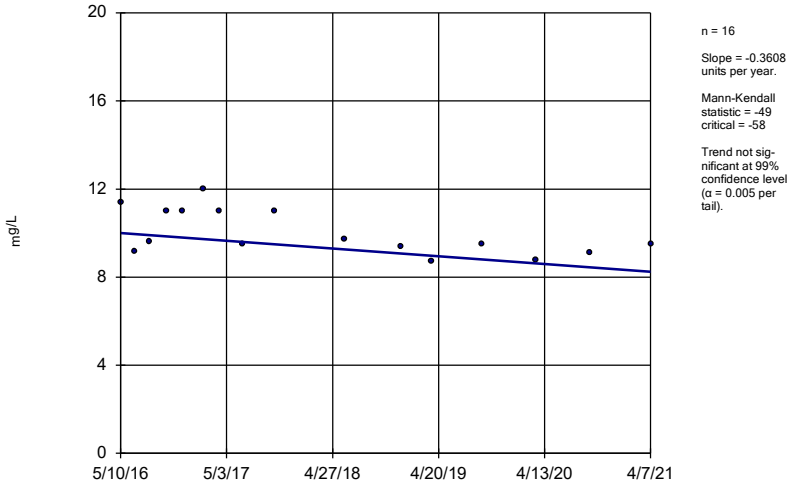
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 16

Slope = -0.3608 units per year.

Mann-Kendall statistic = -49 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

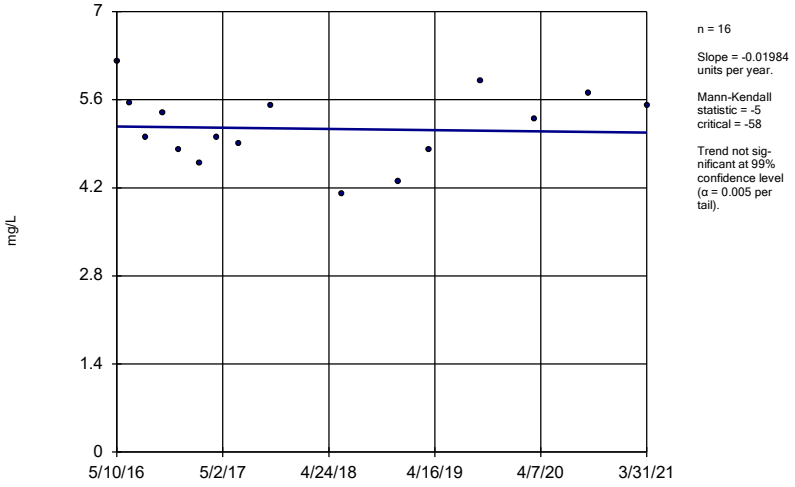
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 16

Slope = -0.01984 units per year.

Mann-Kendall statistic = -5 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

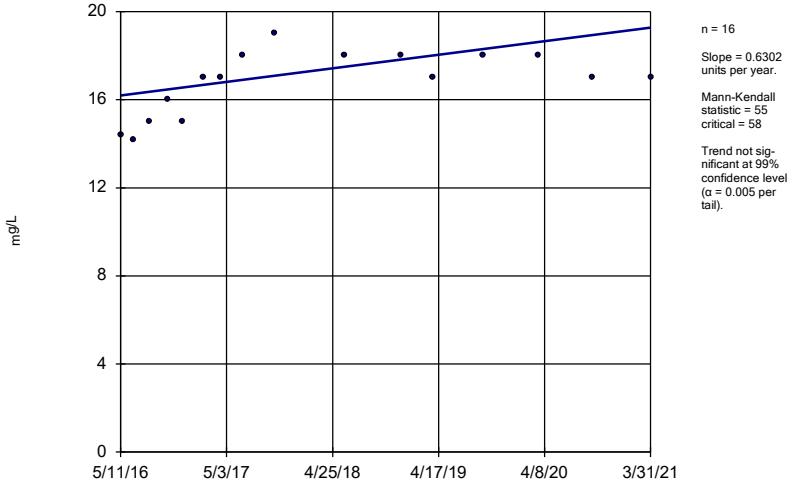
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 16

Slope = 0.6302 units per year.

Mann-Kendall statistic = 55 critical = 58

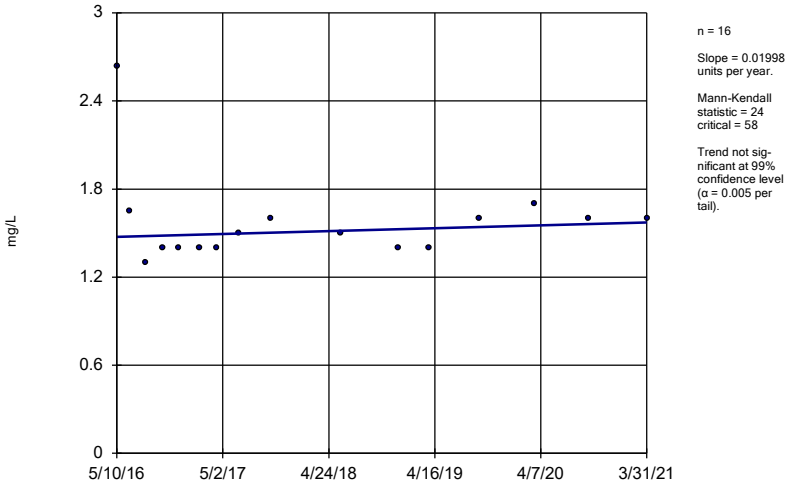
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

SGWA-5 (bg)



n = 16

Slope = 0.01998 units per year.

Mann-Kendall statistic = 24 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

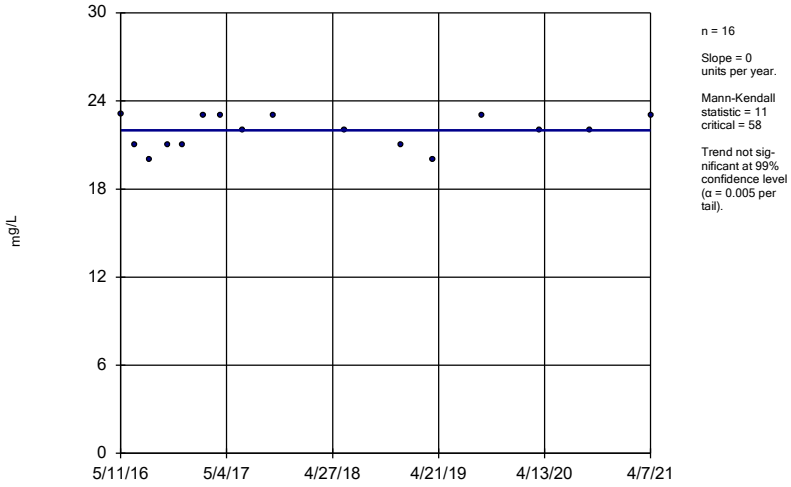
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

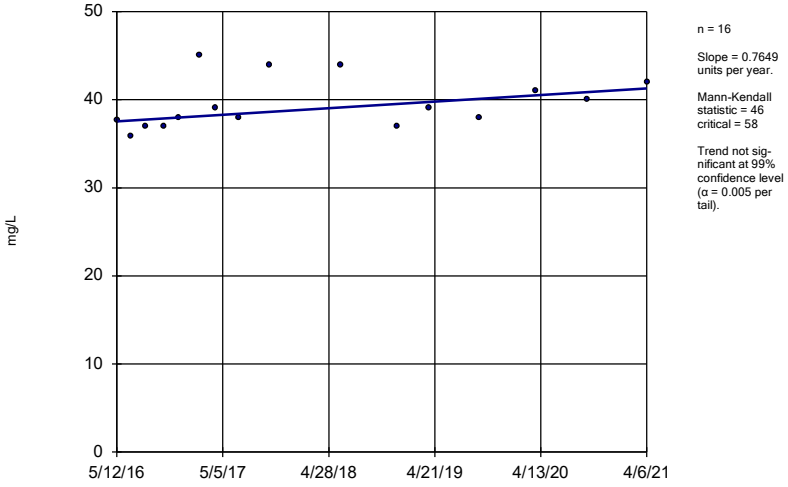
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 16

Slope = 0.7649 units per year.

Mann-Kendall statistic = 46 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

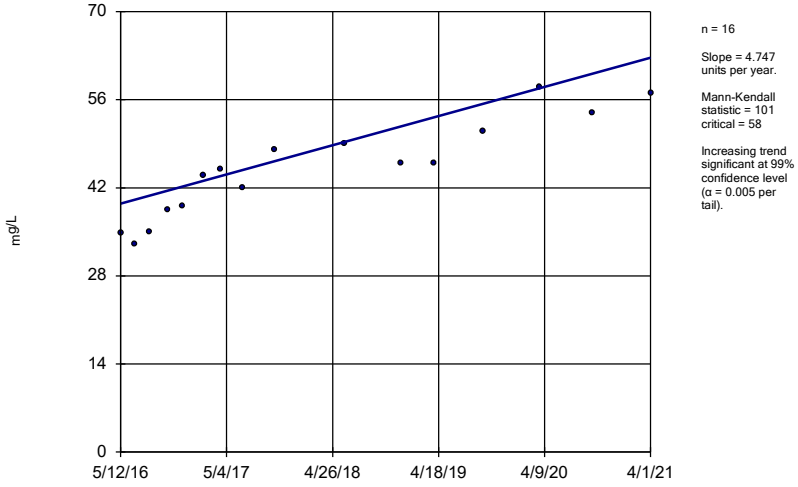
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 16

Slope = 4.747 units per year.

Mann-Kendall statistic = 101 critical = 58

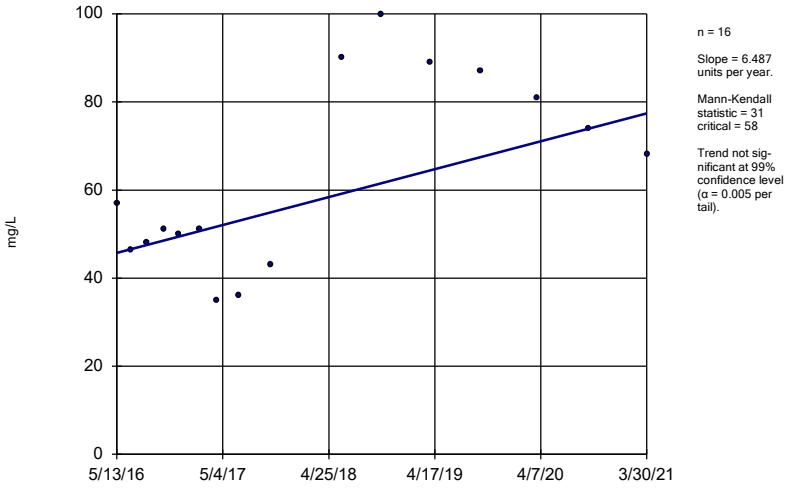
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 6.487 units per year.

Mann-Kendall statistic = 31
critical = 58

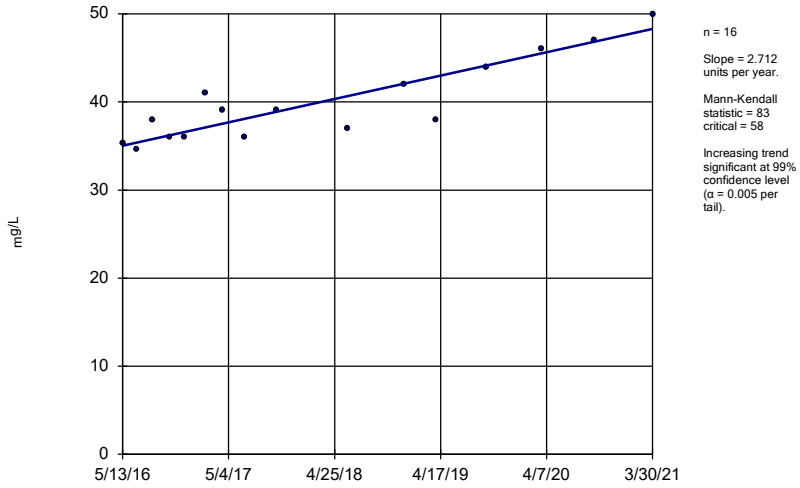
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 16

Slope = 2.712 units per year.

Mann-Kendall statistic = 83
critical = 58

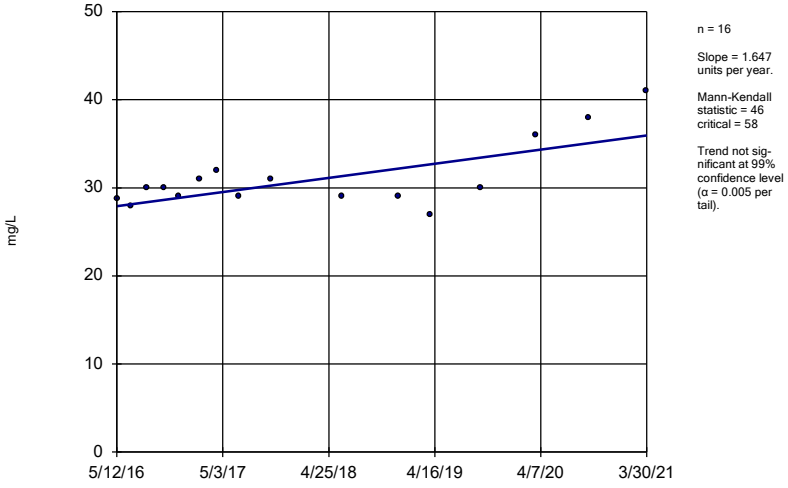
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 16

Slope = 1.647 units per year.

Mann-Kendall statistic = 46
critical = 58

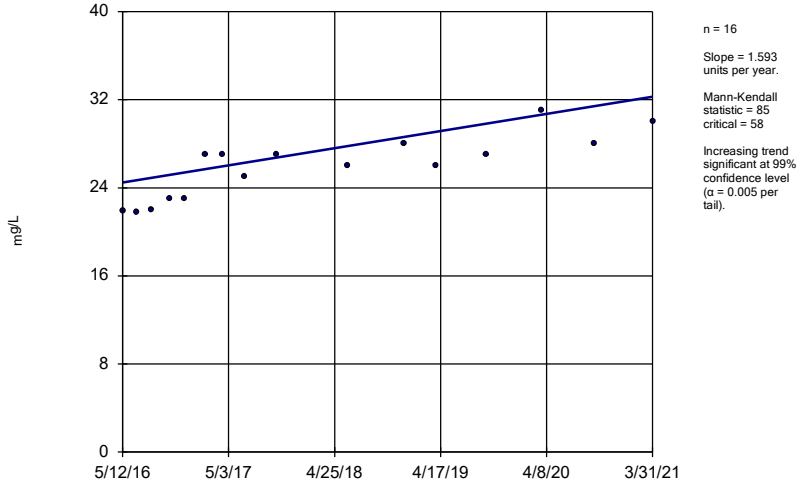
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 16

Slope = 1.593 units per year.

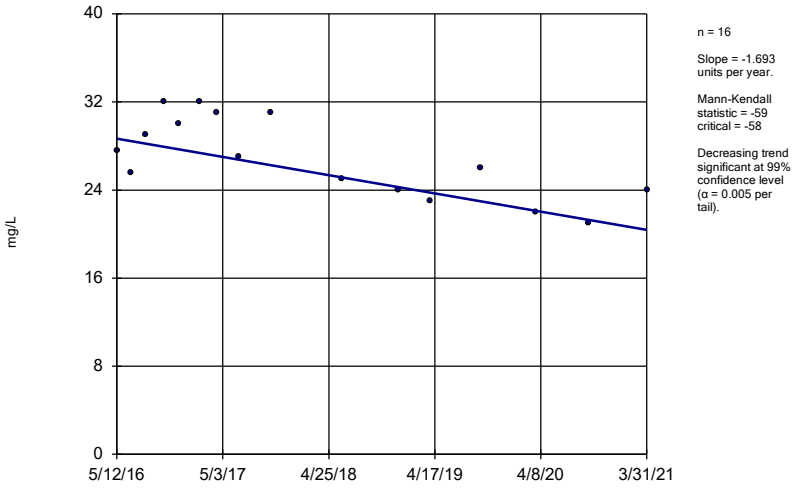
Mann-Kendall statistic = 85
critical = 58

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-23



n = 16

Slope = -1.693 units per year.

Mann-Kendall statistic = -59
critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

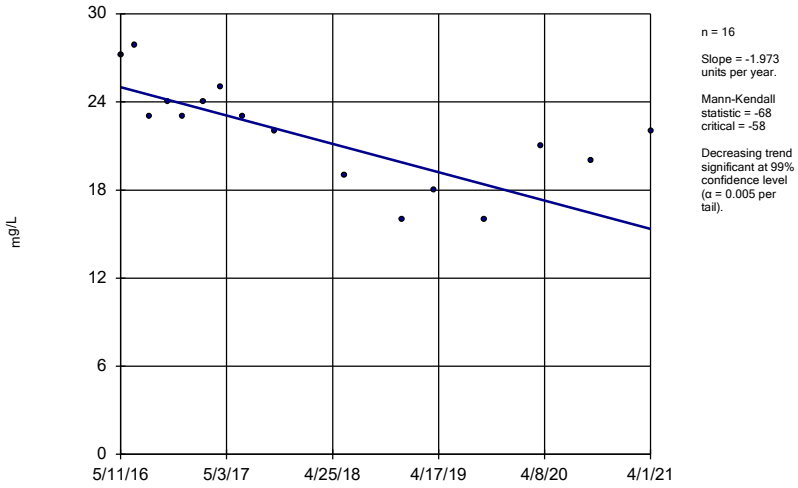
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 16

Slope = -1.973 units per year.

Mann-Kendall statistic = -68
critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

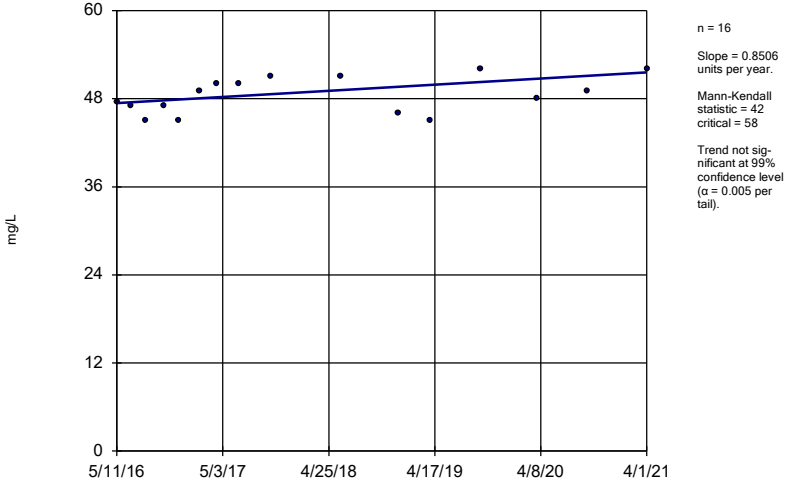
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 16

Slope = 0.8506 units per year.

Mann-Kendall statistic = 42
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

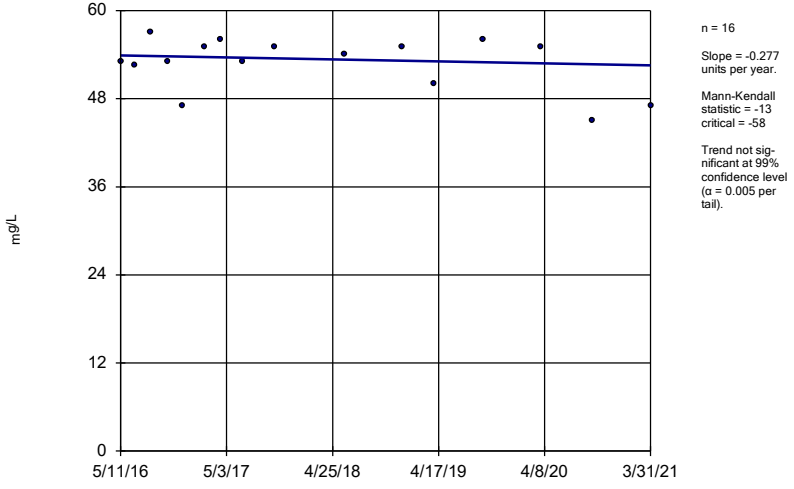
Constituent: Calcium, total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 16

Slope = -0.277 units per year.

Mann-Kendall statistic = -13
critical = -58

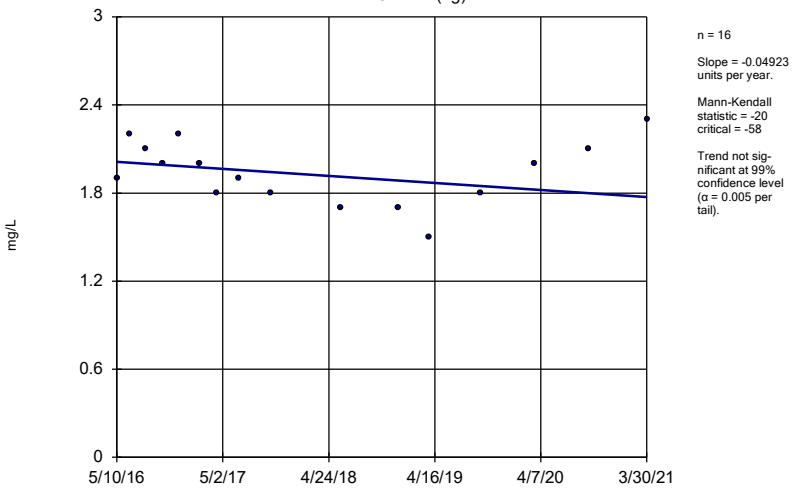
Trend not significant at 99% confidence level (α = 0.005 per tail).

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

SGWA-1 (bg)



n = 16

Slope = -0.04923 units per year.

Mann-Kendall statistic = -20 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

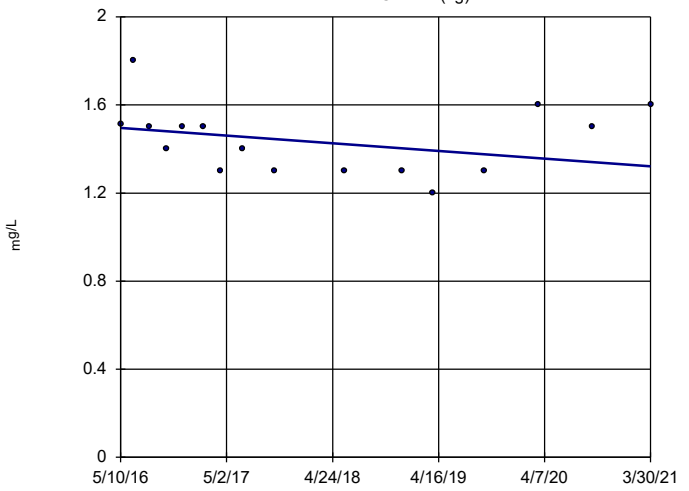
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 16

Slope = -0.03573 units per year.

Mann-Kendall statistic = -26 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

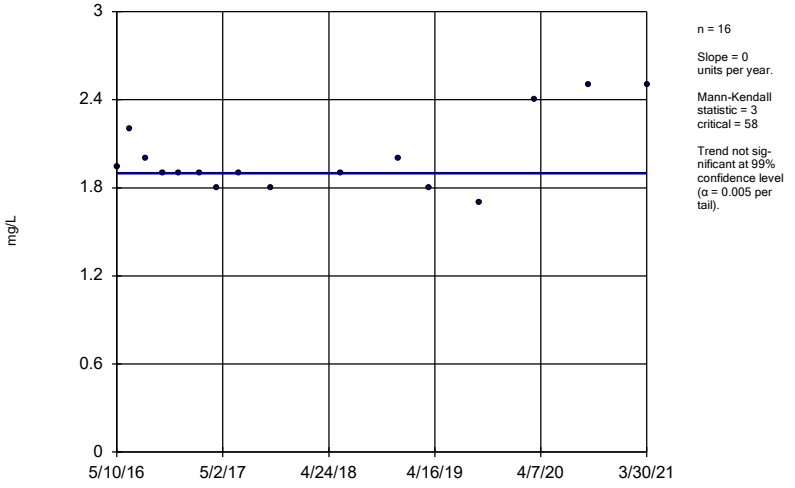
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

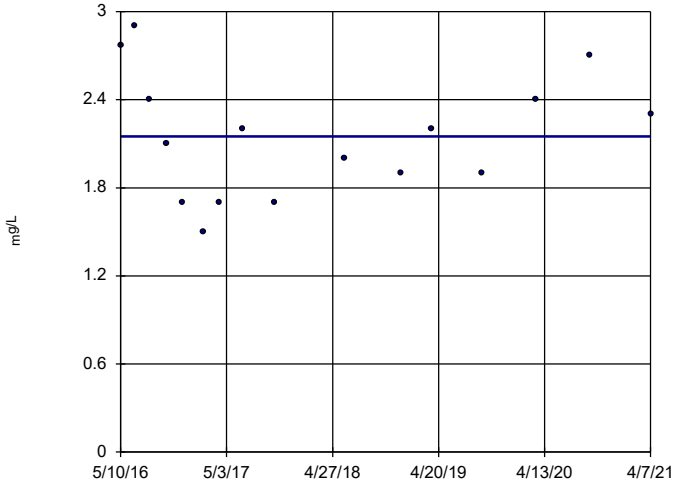
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 58

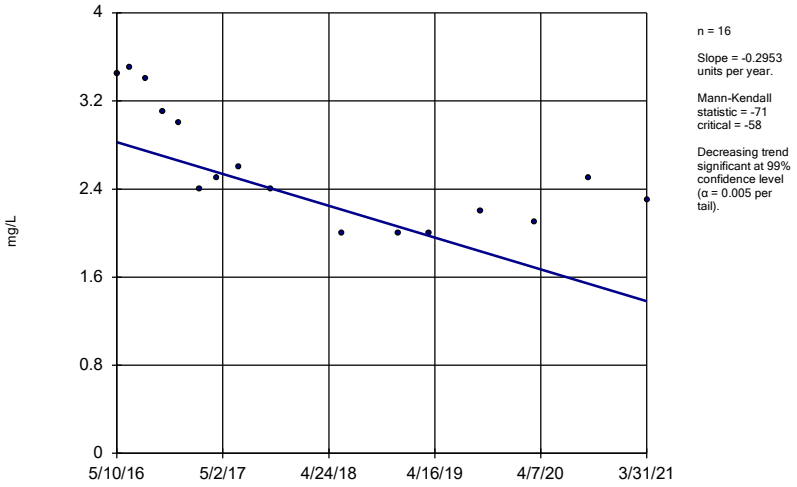
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-3 (bg)



n = 16

Slope = -0.2953 units per year.

Mann-Kendall statistic = -71 critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

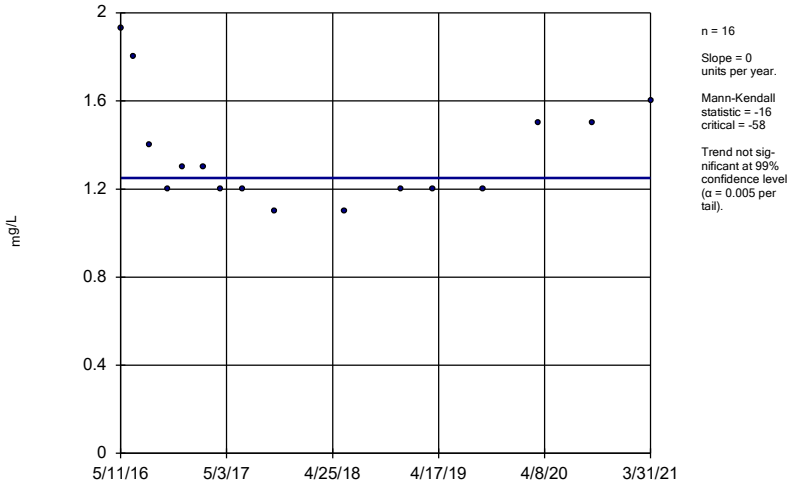
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -16 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

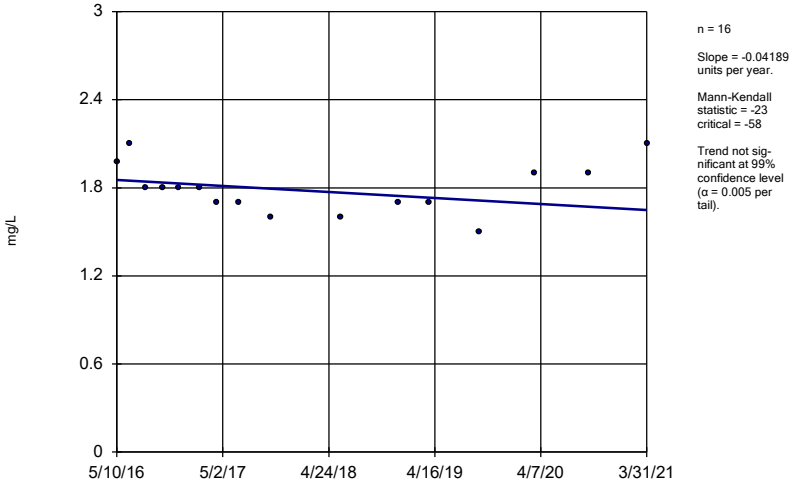
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 16

Slope = -0.04189 units per year.

Mann-Kendall statistic = -23 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

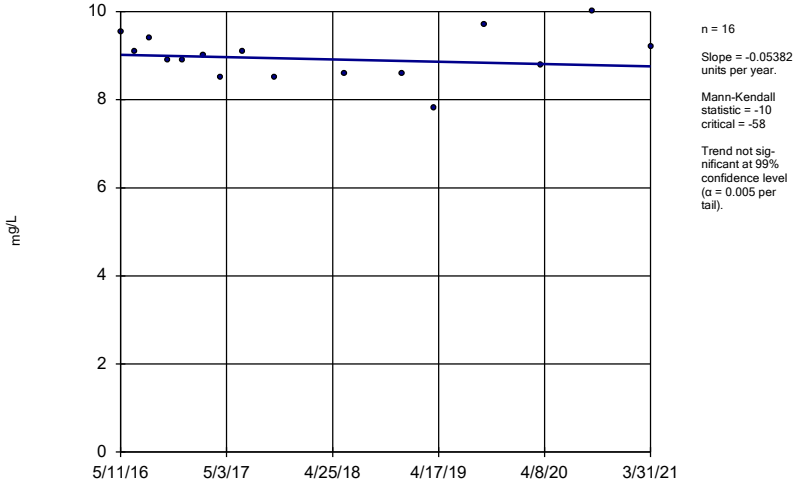
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-10



n = 16

Slope = -0.05382 units per year.

Mann-Kendall statistic = -10 critical = -58

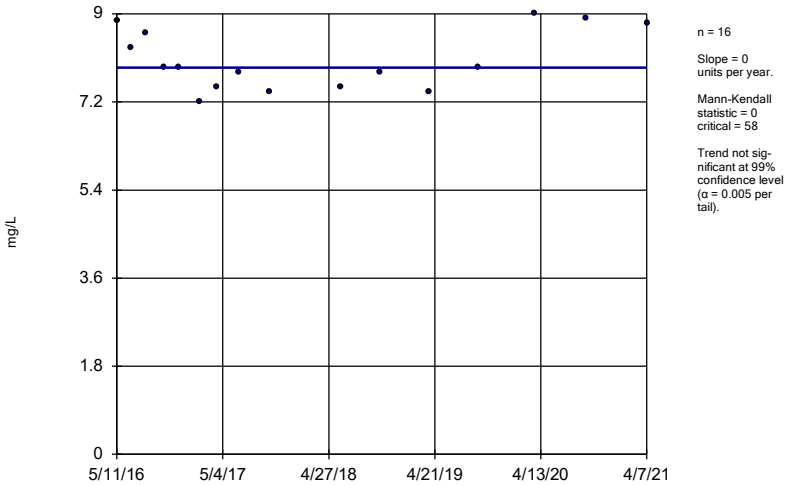
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

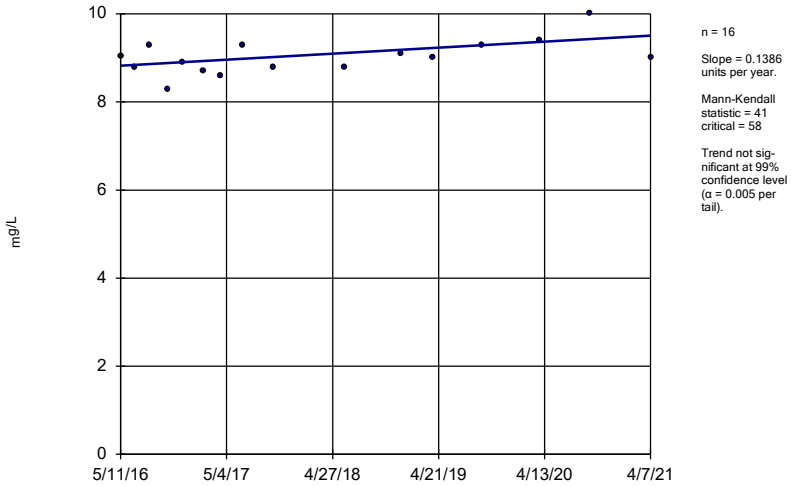
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 16

Slope = 0.1386 units per year.

Mann-Kendall statistic = 41 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

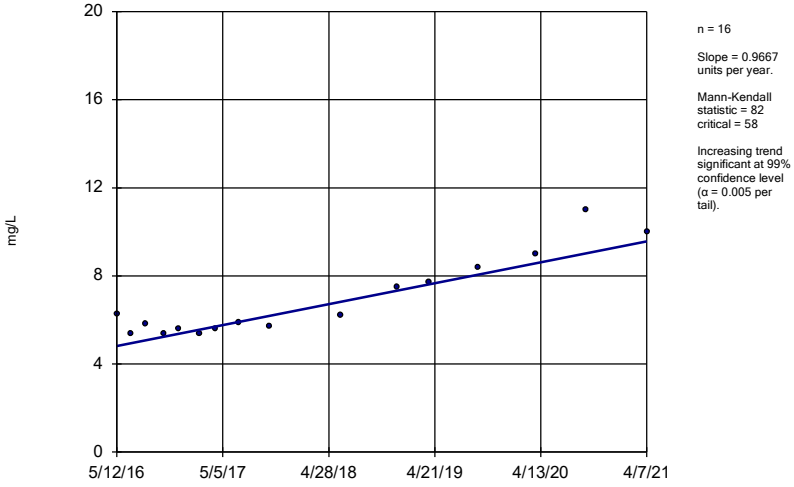
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 16

Slope = 0.9667 units per year.

Mann-Kendall statistic = 82 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

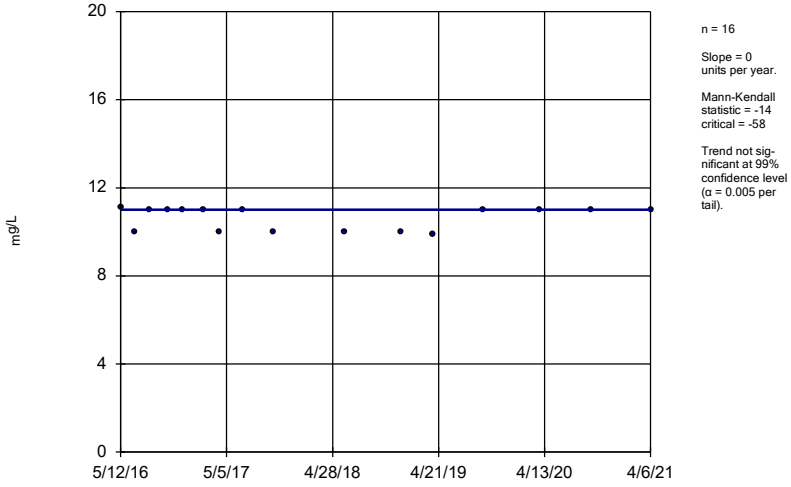
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -14 critical = -58

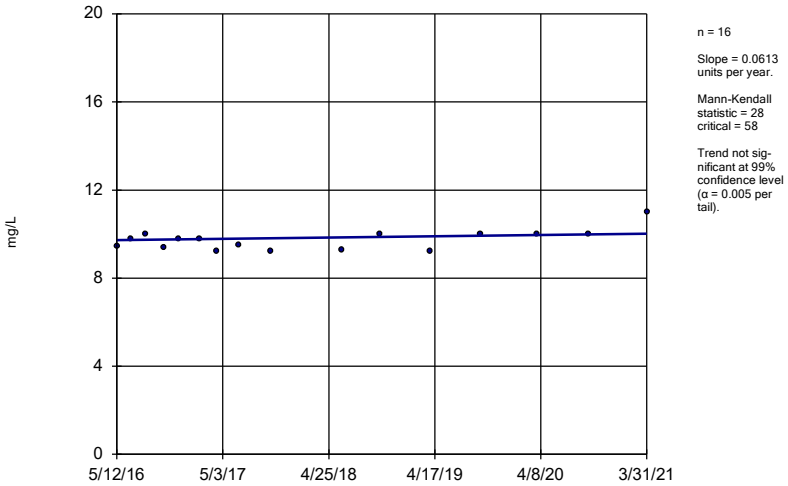
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-15



n = 16

Slope = 0.0613 units per year.

Mann-Kendall statistic = 28 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

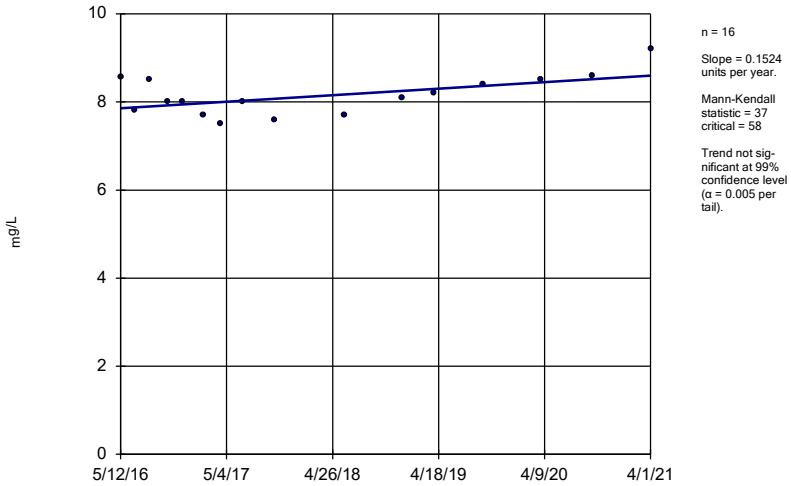
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 16

Slope = 0.1524 units per year.

Mann-Kendall statistic = 37 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

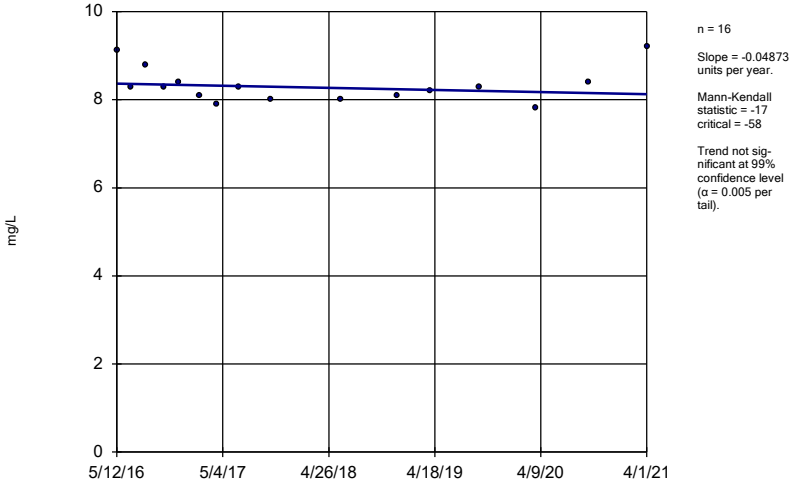
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 16

Slope = -0.04873 units per year.

Mann-Kendall statistic = -17 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

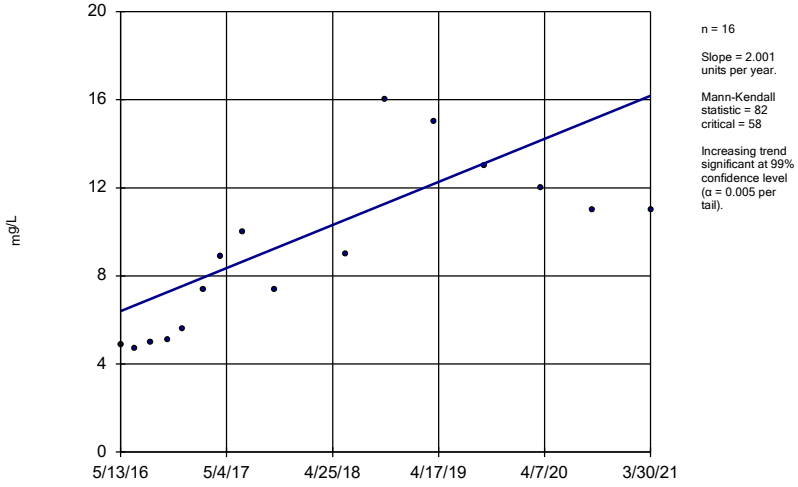
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 16

Slope = 2.001 units per year.

Mann-Kendall statistic = 82 critical = 58

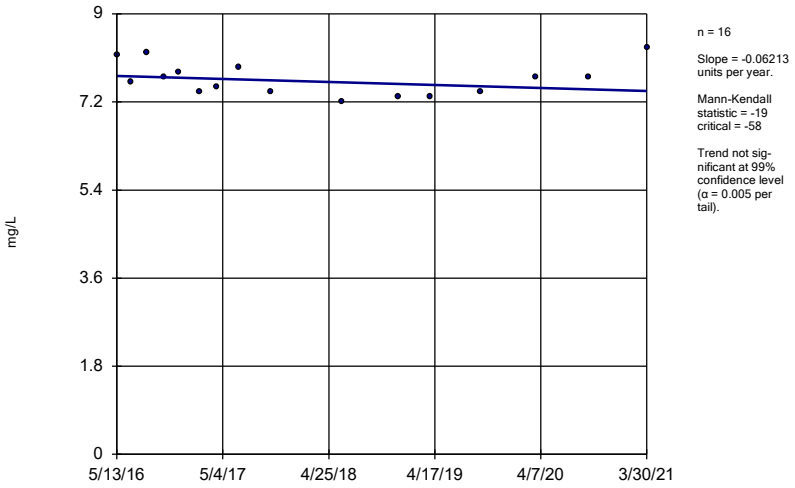
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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-19



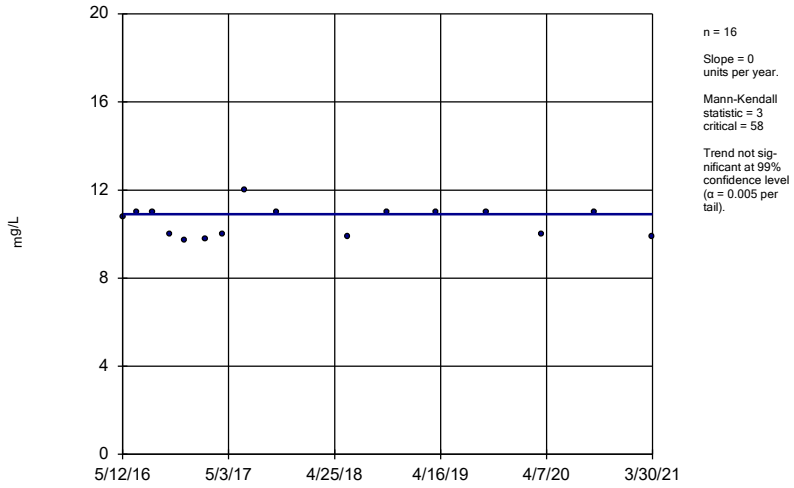
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



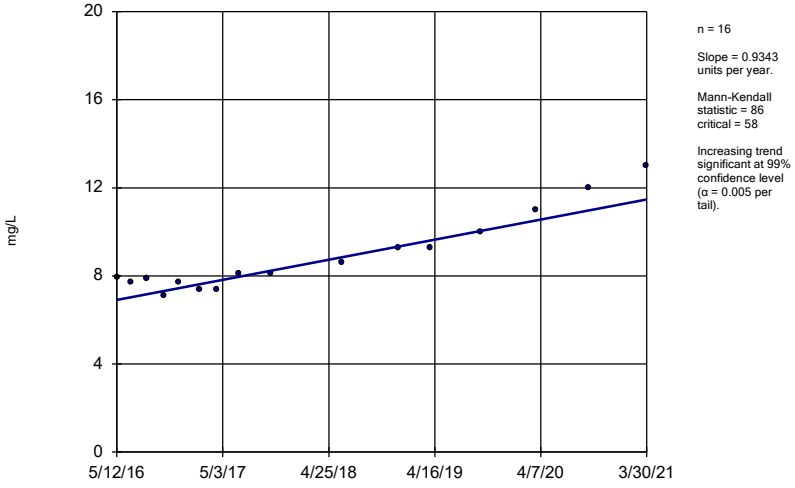
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



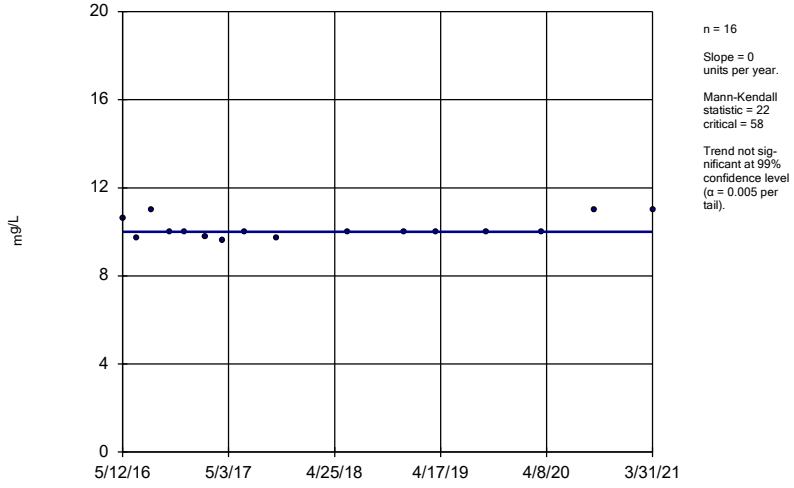
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22

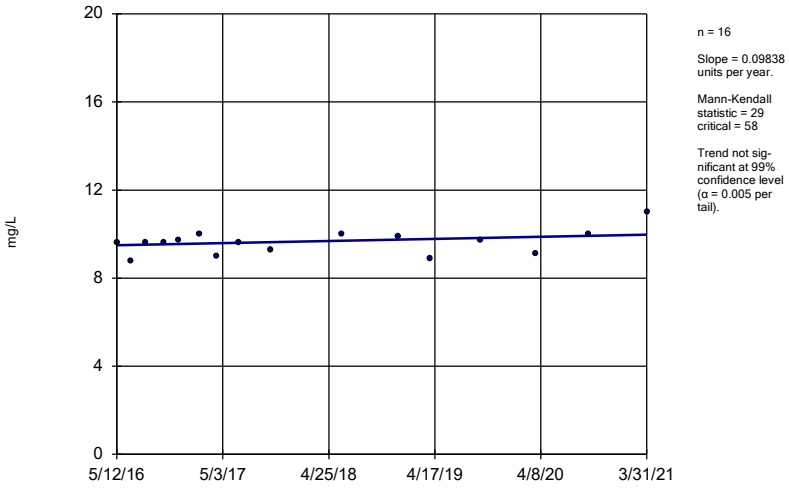


Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



n = 16

Slope = 0.09838 units per year.

Mann-Kendall statistic = 29 critical = 58

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

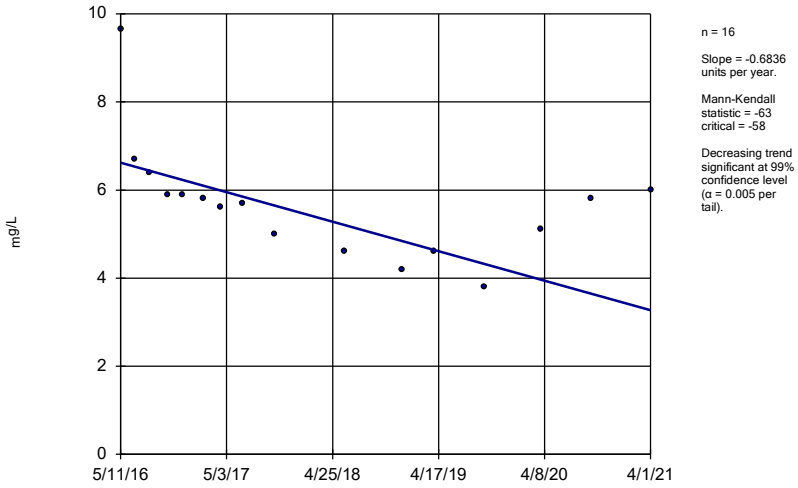
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 16

Slope = -0.6836 units per year.

Mann-Kendall statistic = -63 critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

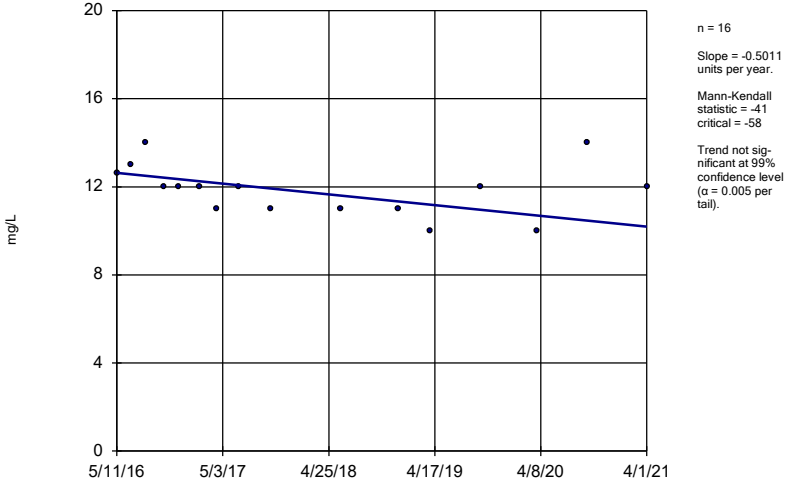
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 16

Slope = -0.5011 units per year.

Mann-Kendall statistic = -41 critical = -58

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

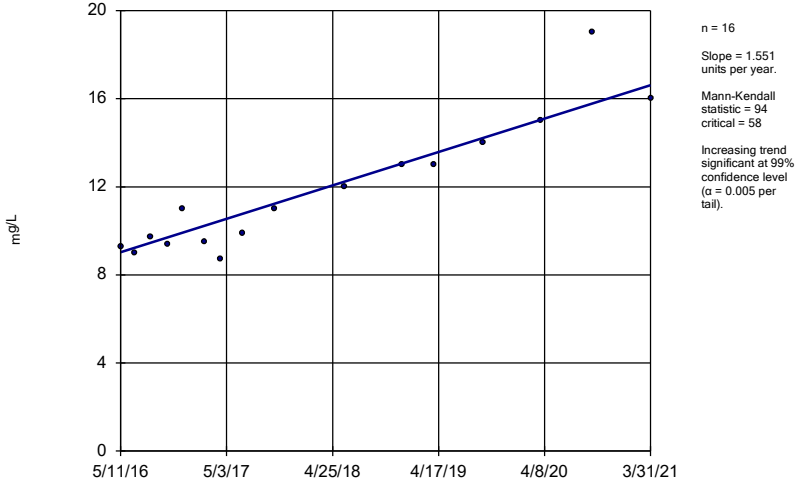
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 16

Slope = 1.551 units per year.

Mann-Kendall statistic = 94 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

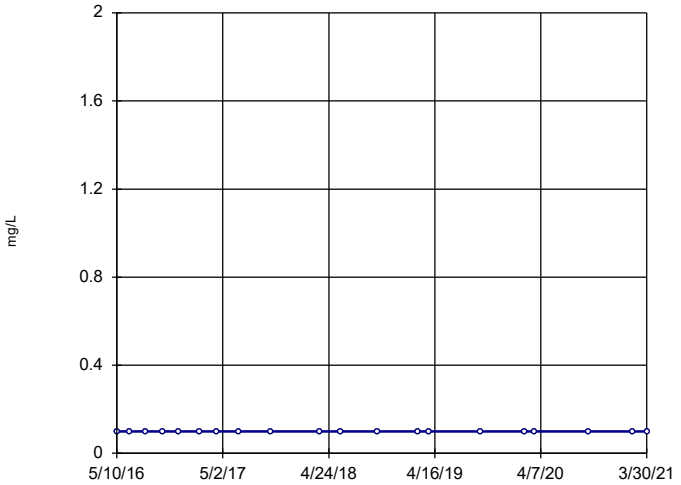
Constituent: Chloride, Total Analysis Run 5/26/2021 9:29 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

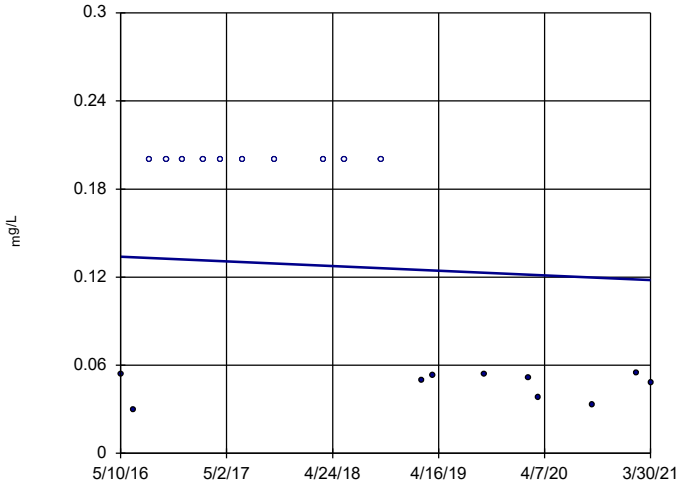
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 20

Slope = -0.003284 units per year.

Mann-Kendall statistic = -61
critical = -81

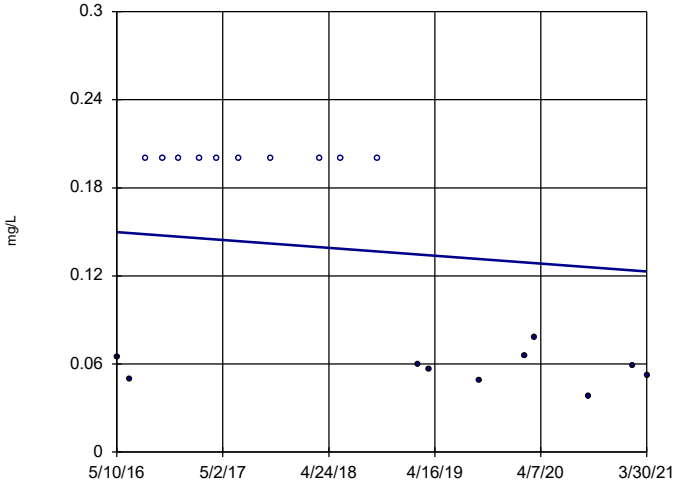
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 20

Slope = -0.005442 units per year.

Mann-Kendall statistic = -65
critical = -81

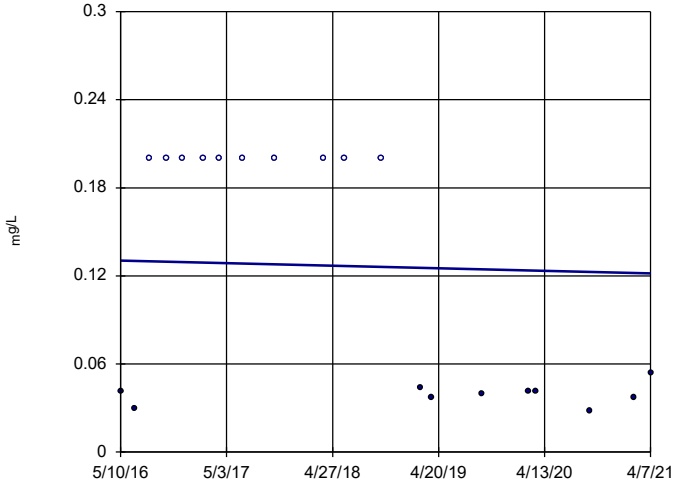
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 20

Slope = -0.001763 units per year.

Mann-Kendall statistic = -57
critical = -81

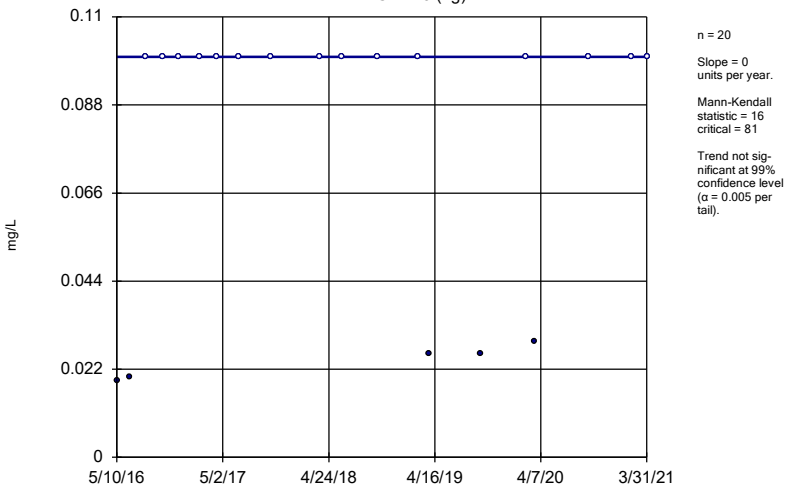
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 81

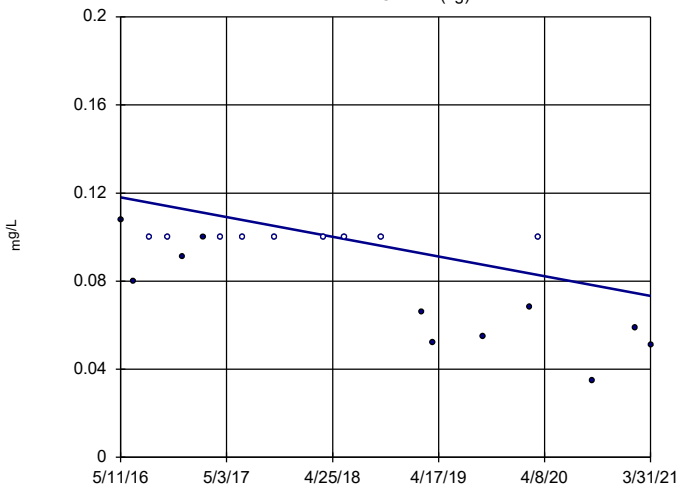
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 20

Slope = -0.009133 units per year.

Mann-Kendall statistic = -83
critical = -81

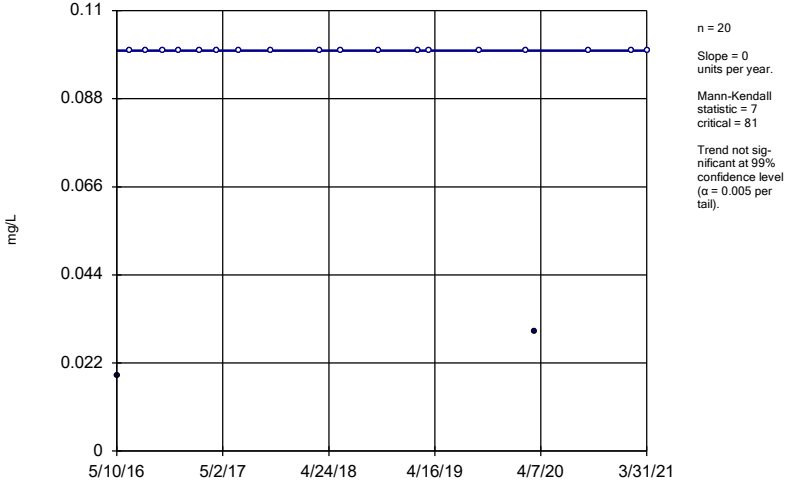
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 81

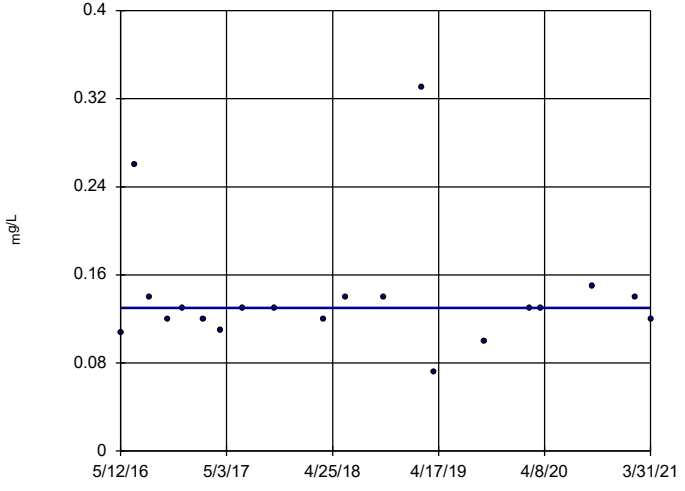
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/26/2021 9:29 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 20

Slope = 0 units per year.

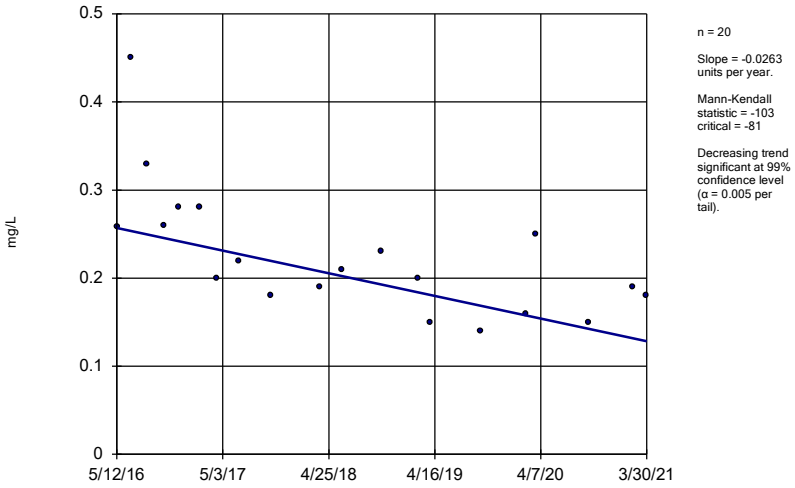
Mann-Kendall statistic = 14
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 20

Slope = -0.0263 units per year.

Mann-Kendall statistic = -103
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

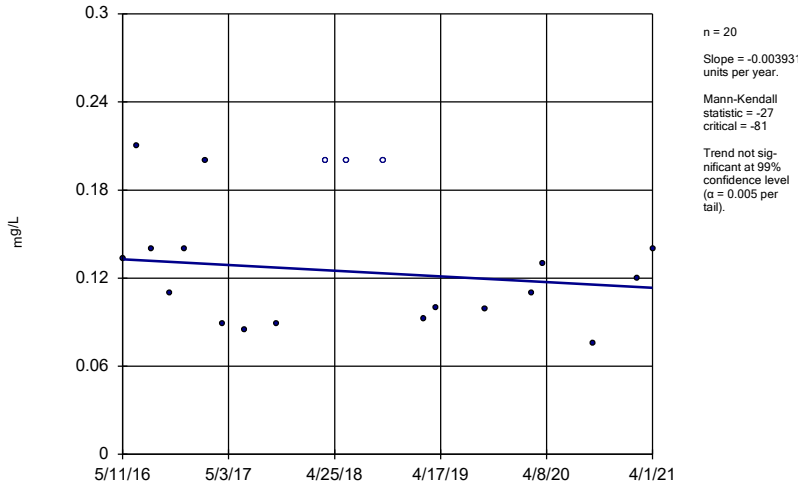
Constituent: Fluoride, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-6



n = 20

Slope = -0.003931 units per year.

Mann-Kendall statistic = -27
critical = -81

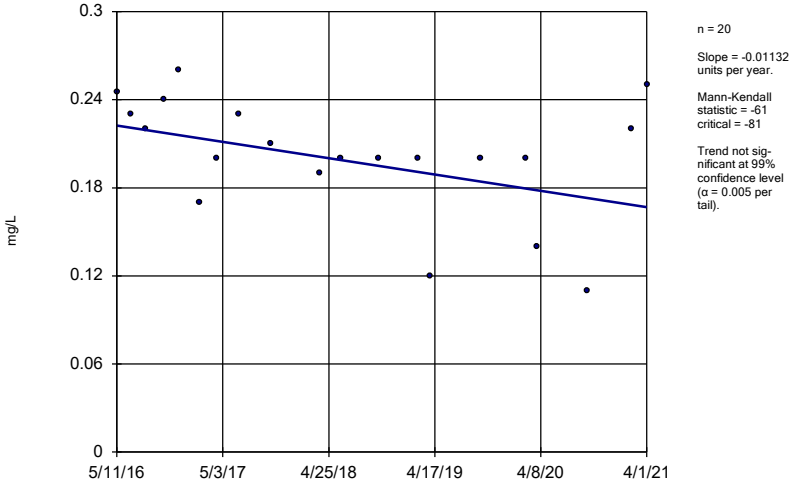
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 20

Slope = -0.01132 units per year.

Mann-Kendall statistic = -61
critical = -81

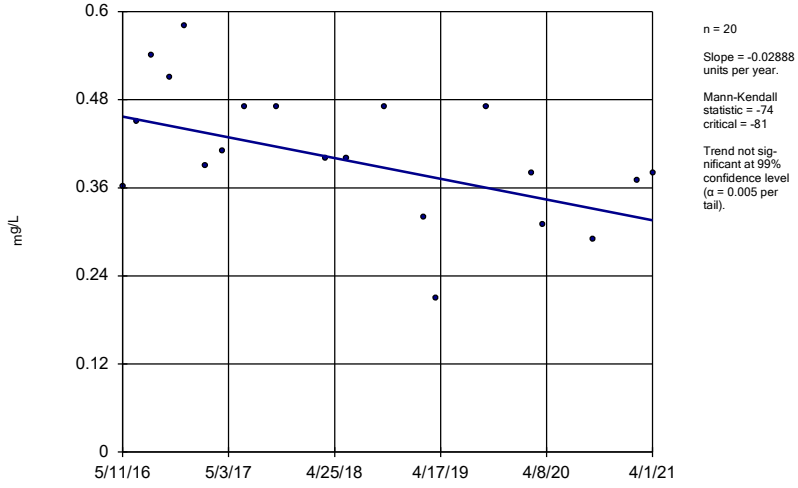
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 20

Slope = -0.02888 units per year.

Mann-Kendall statistic = -74
critical = -81

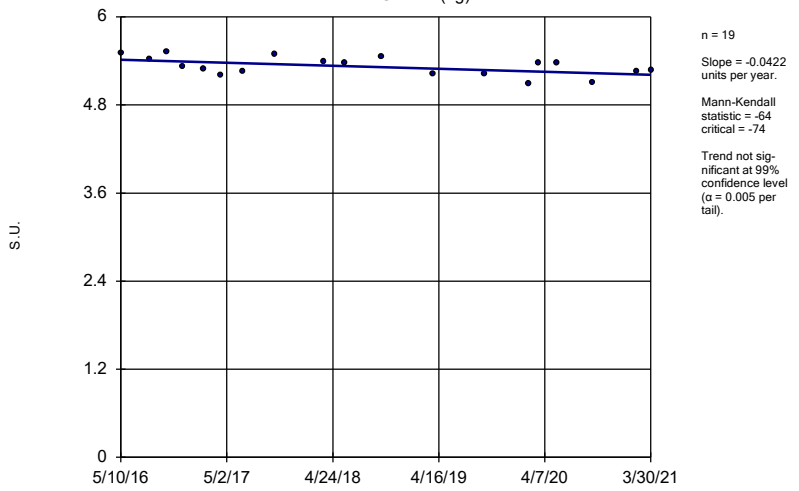
Trend not significant at 99% confidence level (α = 0.005 per tail).

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)



n = 19

Slope = -0.0422 units per year.

Mann-Kendall statistic = -64
critical = -74

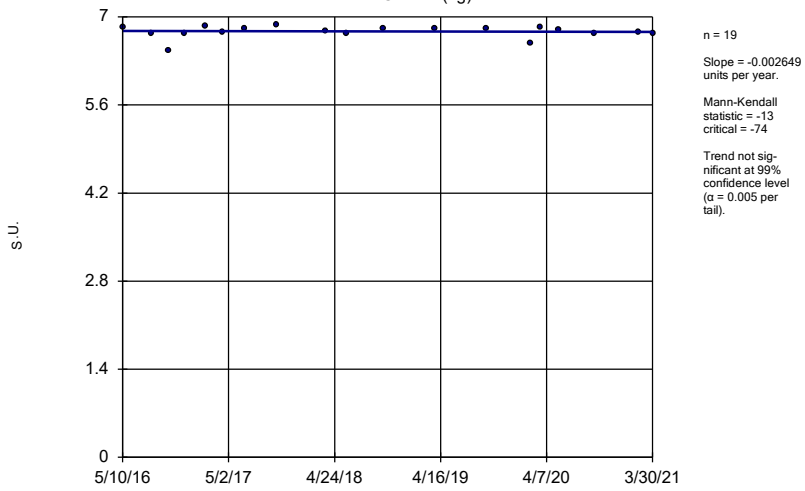
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 19

Slope = -0.002649 units per year.

Mann-Kendall statistic = -13
critical = -74

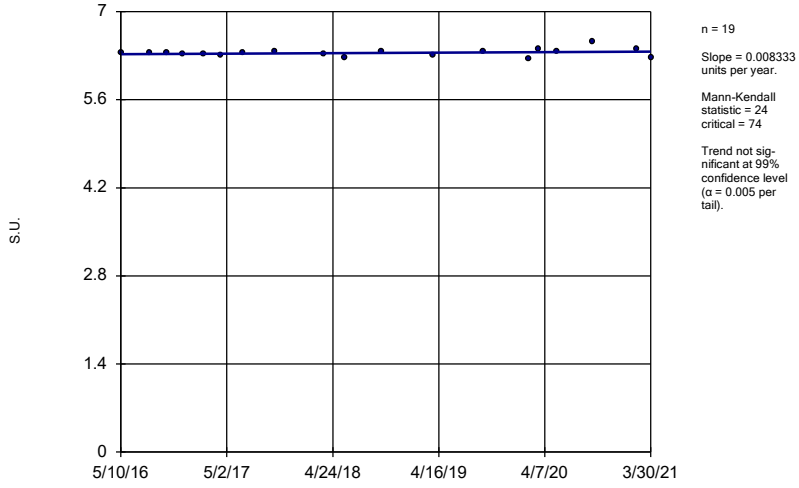
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 19

Slope = 0.008333 units per year.

Mann-Kendall statistic = 24
critical = 74

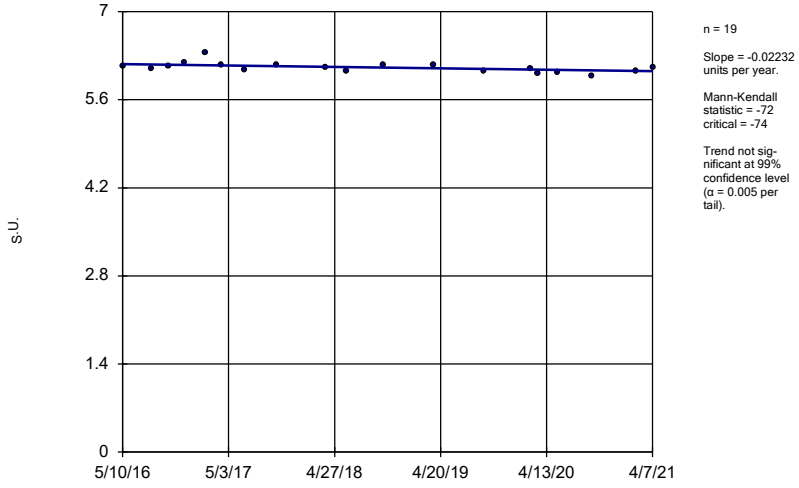
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 19

Slope = -0.02232 units per year.

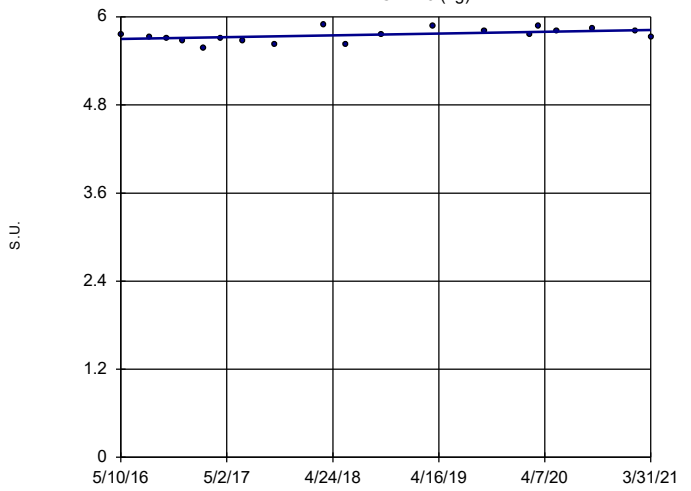
Mann-Kendall statistic = -72
critical = -74

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-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).

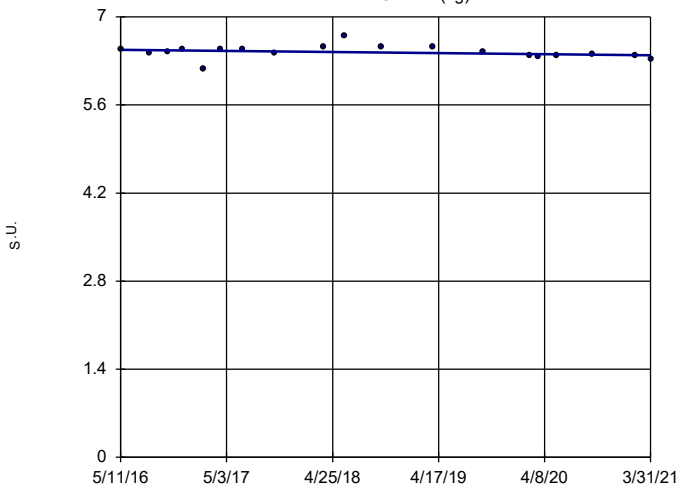
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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).

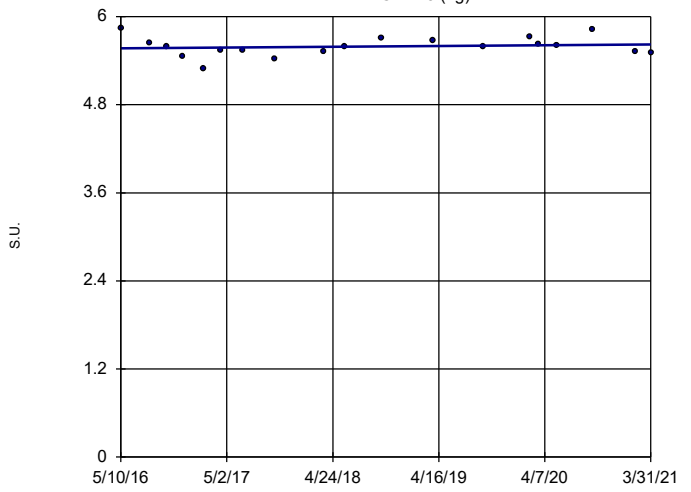
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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).

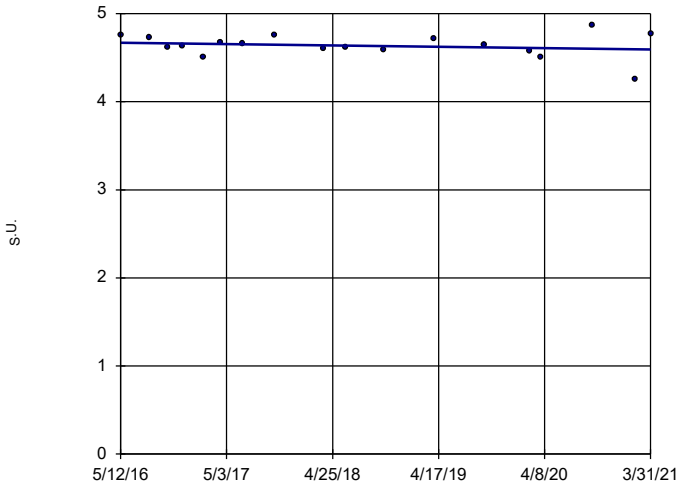
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 18

Slope = -0.01561 units per year.

Mann-Kendall statistic = -24 critical = -68

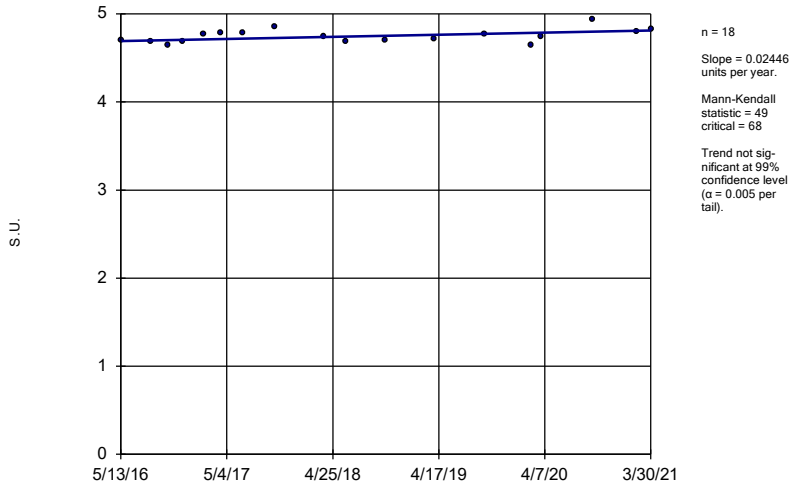
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 18

Slope = 0.02446 units per year.

Mann-Kendall statistic = 49
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

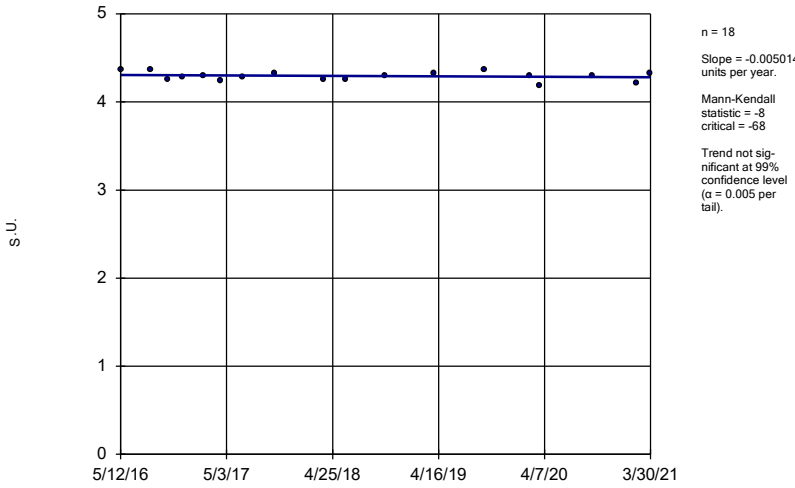
Constituent: pH Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 18

Slope = -0.005014 units per year.

Mann-Kendall statistic = -8
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

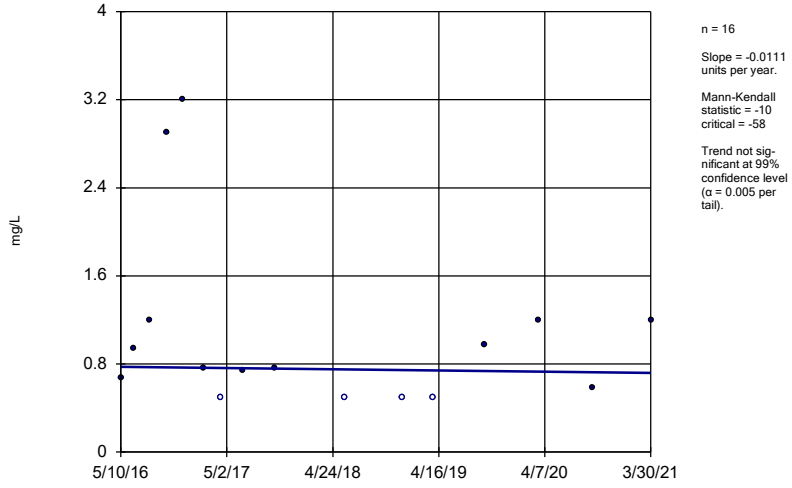
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 16

Slope = -0.0111 units per year.

Mann-Kendall statistic = -10
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

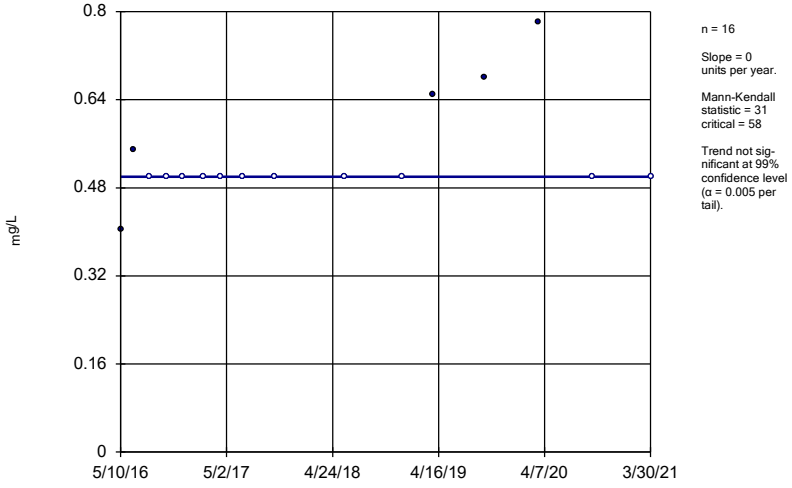
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 31
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

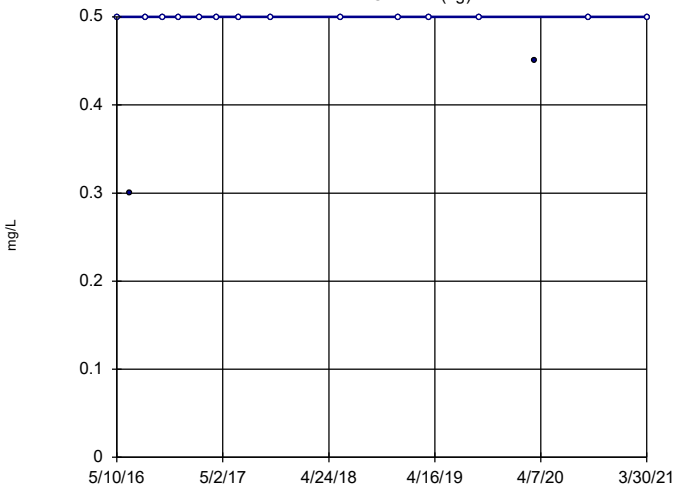
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 16

Slope = 0
units per year.

Mann-Kendall
statistic = 3
critical = 58

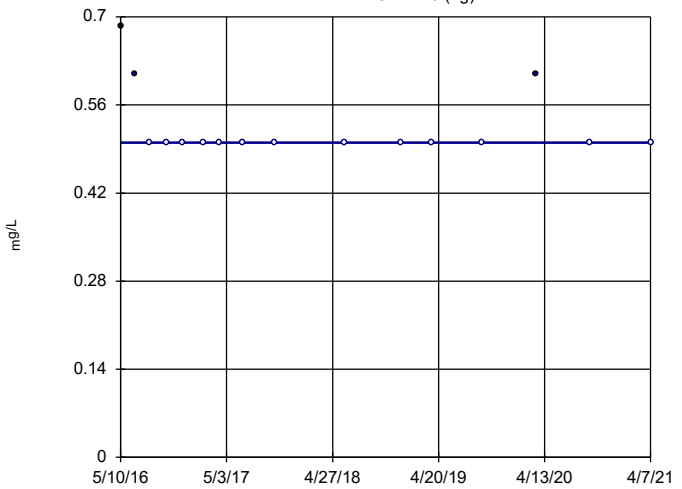
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 16

Slope = 0
units per year.

Mann-Kendall
statistic = -19
critical = -58

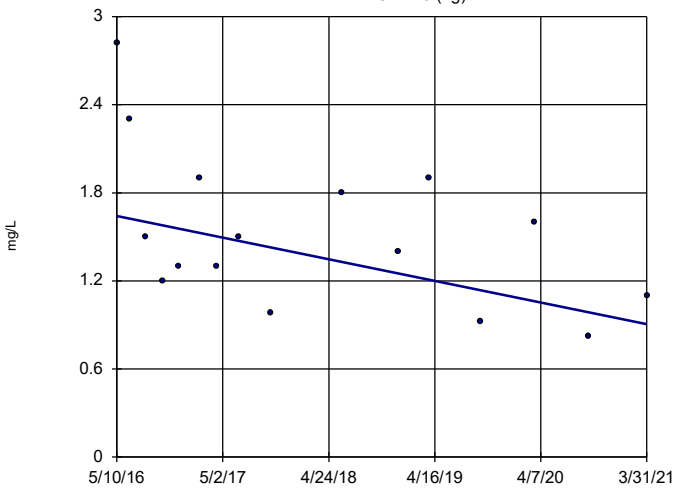
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 16

Slope = -0.1506
units per year.

Mann-Kendall
statistic = -43
critical = -58

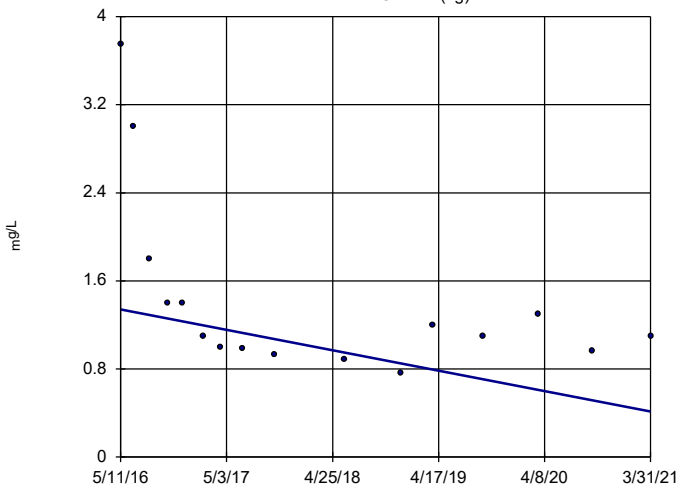
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 16

Slope = -0.1896
units per year.

Mann-Kendall
statistic = -60
critical = -58

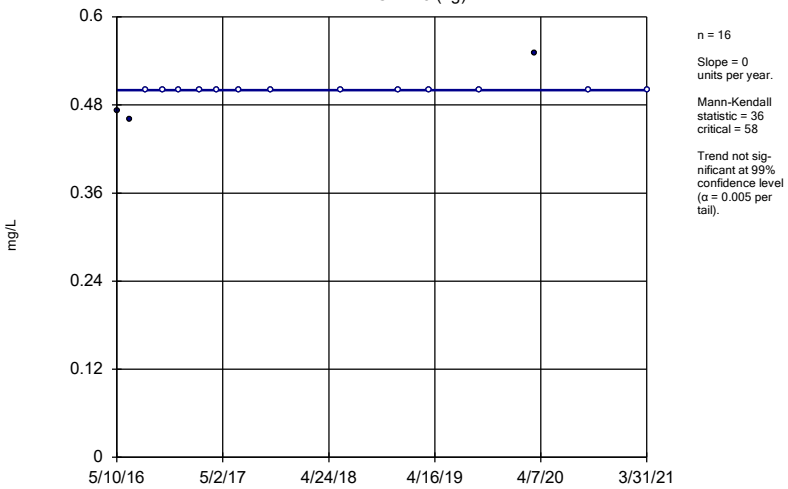
Decreasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 36 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

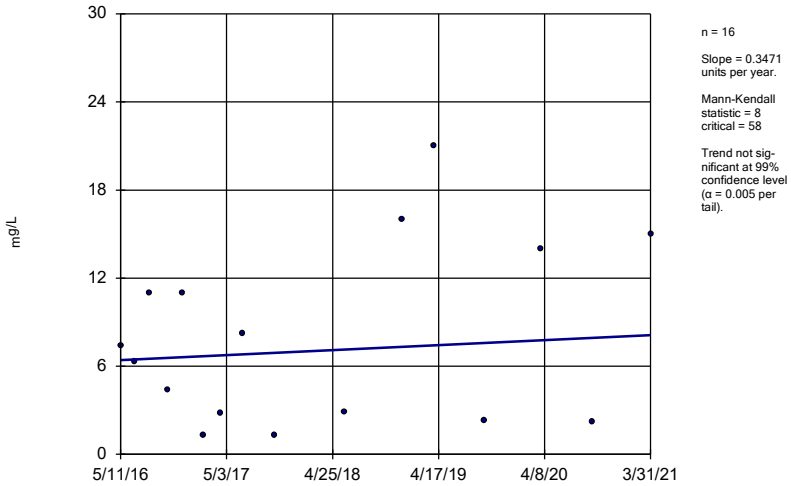
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-10



n = 16

Slope = 0.3471 units per year.

Mann-Kendall statistic = 8 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

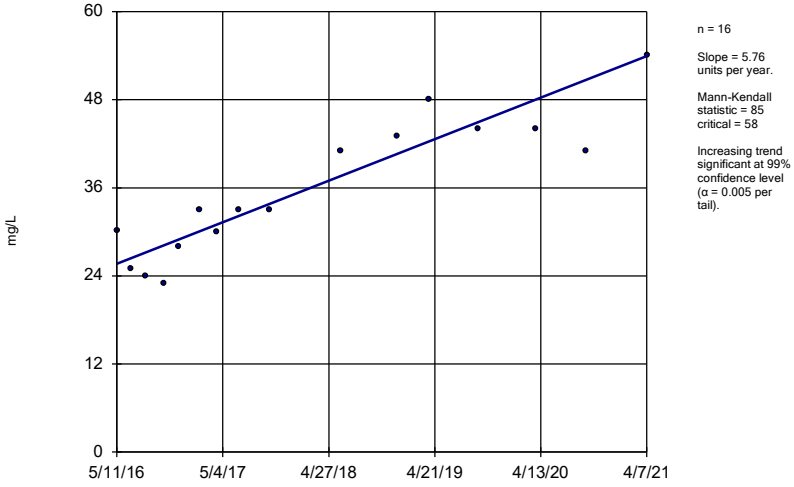
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 16

Slope = 5.76 units per year.

Mann-Kendall statistic = 85 critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

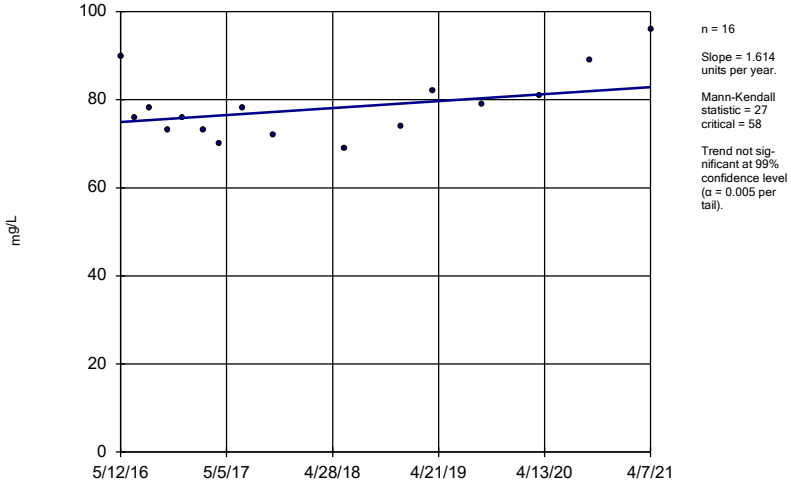
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 16

Slope = 1.614 units per year.

Mann-Kendall statistic = 27 critical = 58

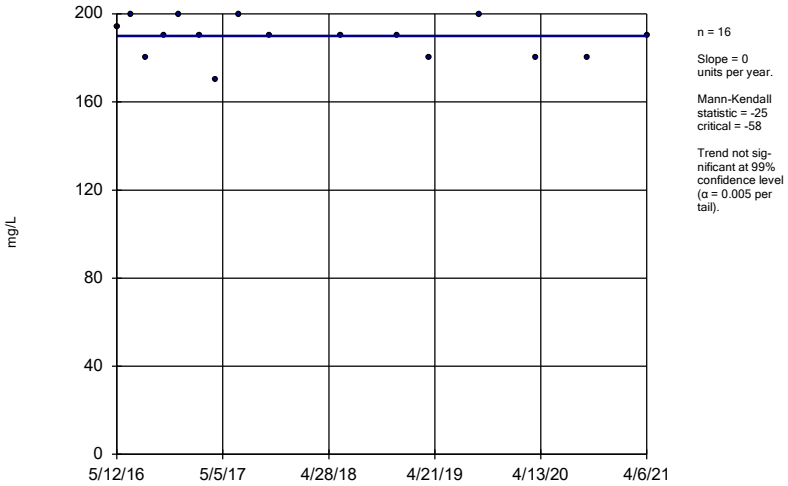
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-14



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -25 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

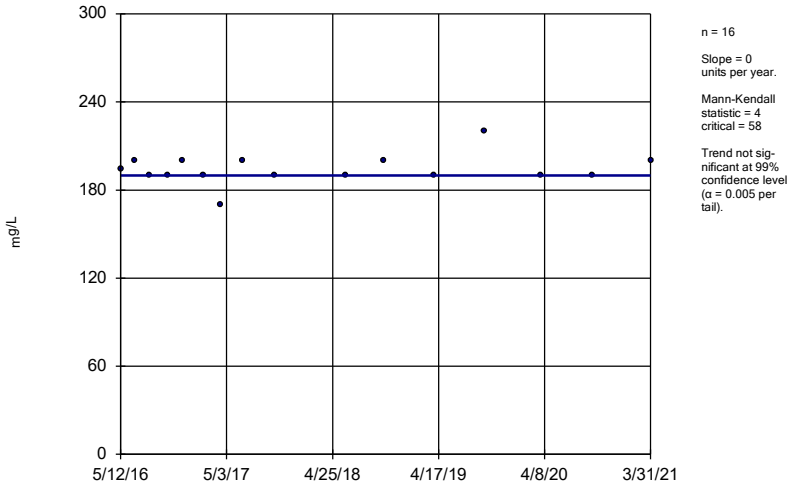
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 4 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

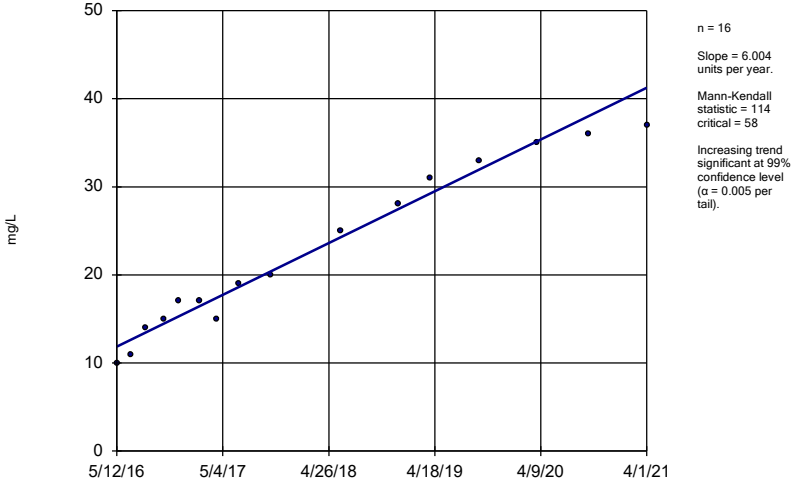
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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 (α = 0.005 per tail).

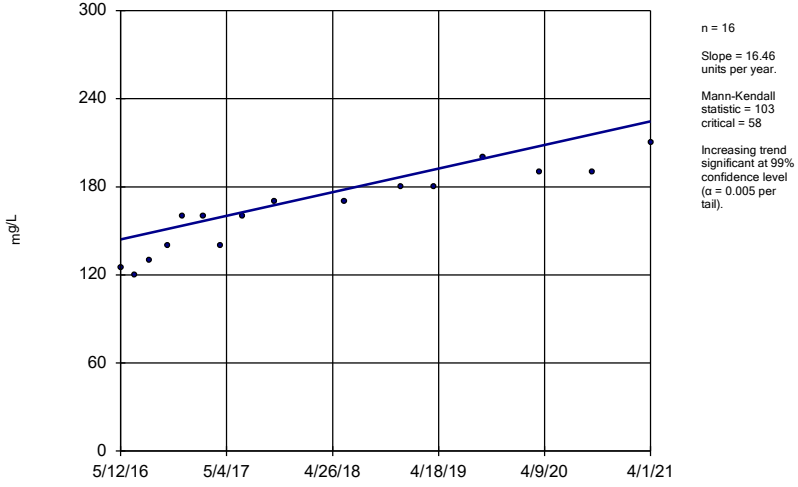
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 16

Slope = 16.46 units per year.

Mann-Kendall statistic = 103 critical = 58

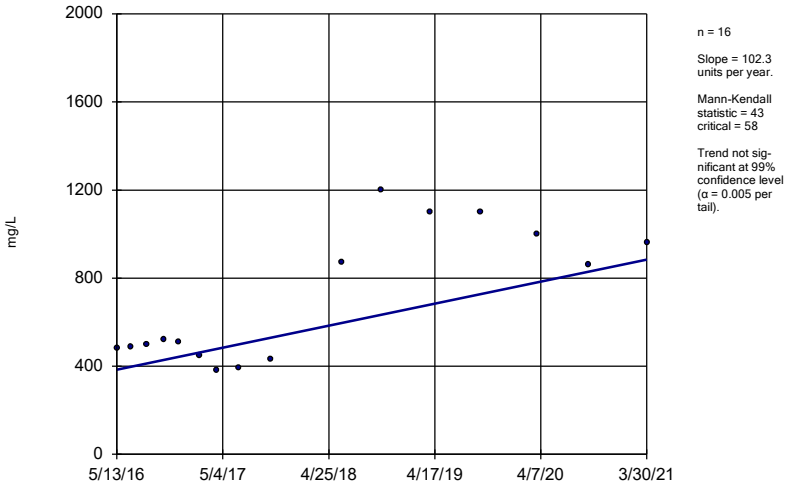
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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 significant at 99% confidence level (α = 0.005 per tail).

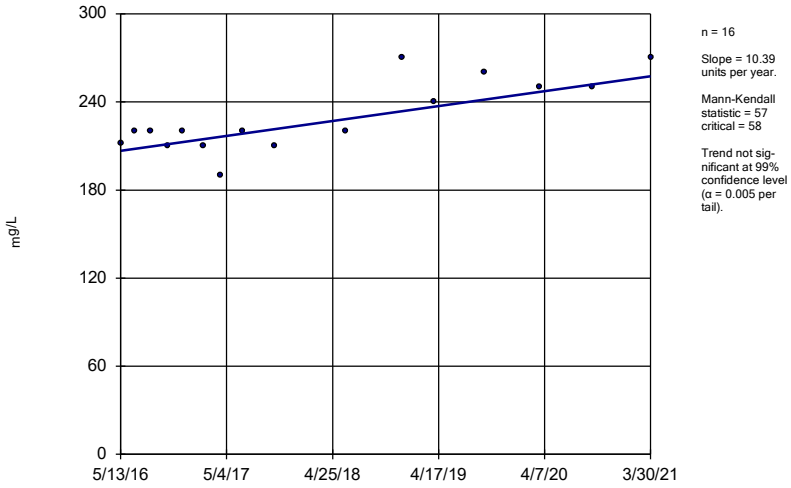
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 16

Slope = 10.39 units per year.

Mann-Kendall statistic = 57
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

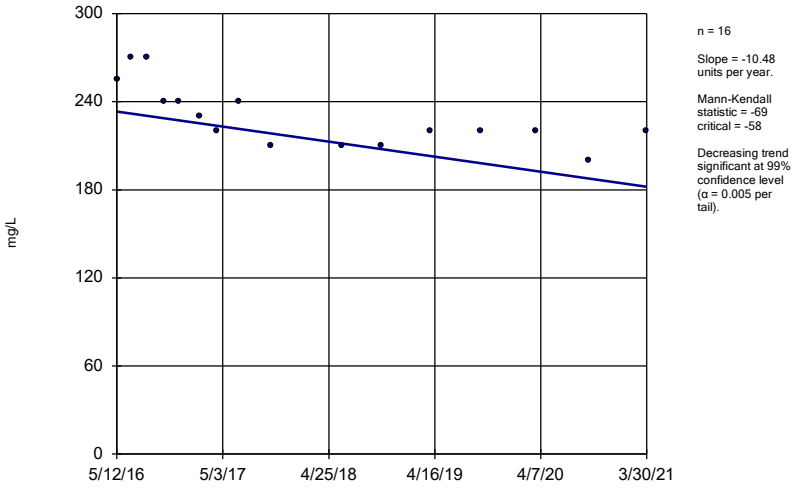
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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 (α = 0.005 per tail).

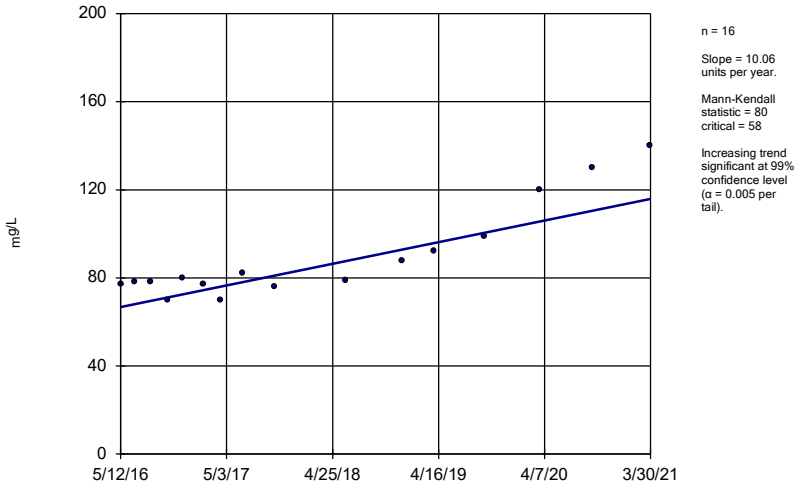
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 16

Slope = 10.06 units per year.

Mann-Kendall statistic = 80
critical = 58

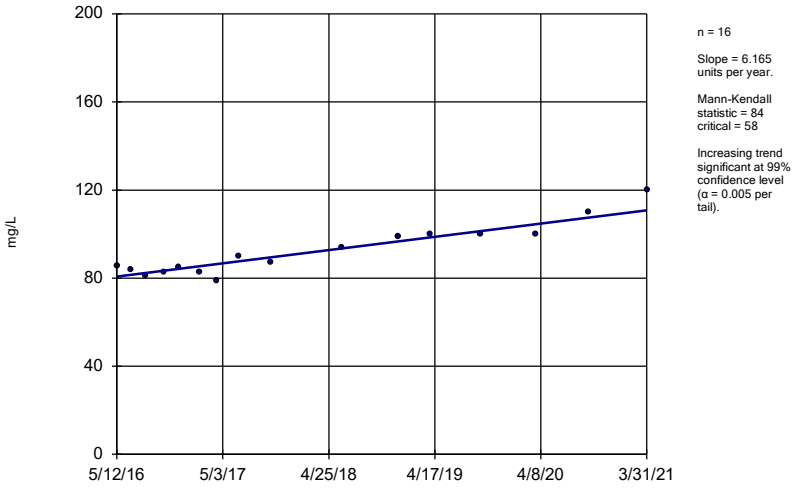
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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 (α = 0.005 per tail).

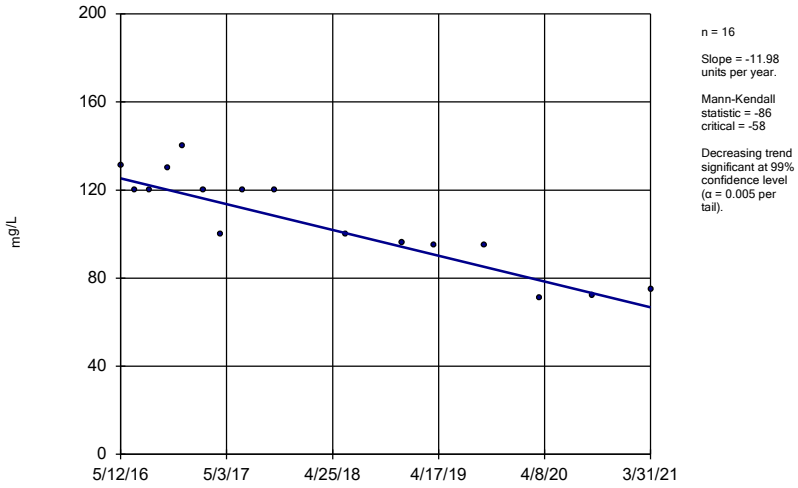
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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 (α = 0.005 per tail).

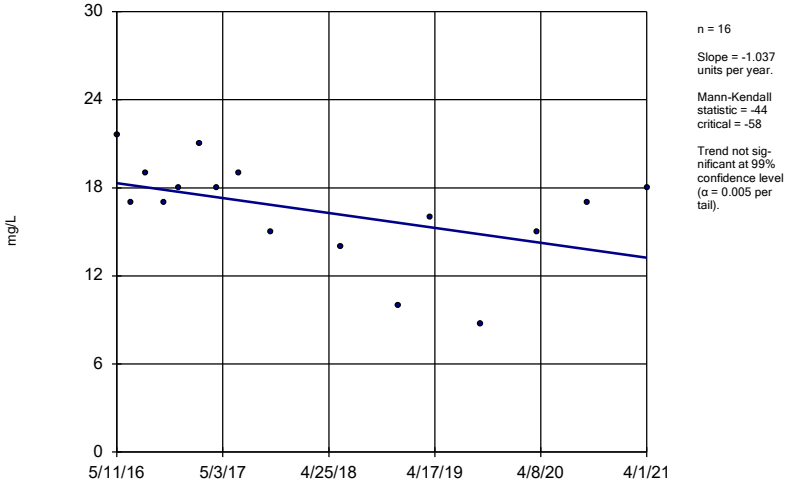
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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 (α = 0.005 per tail).

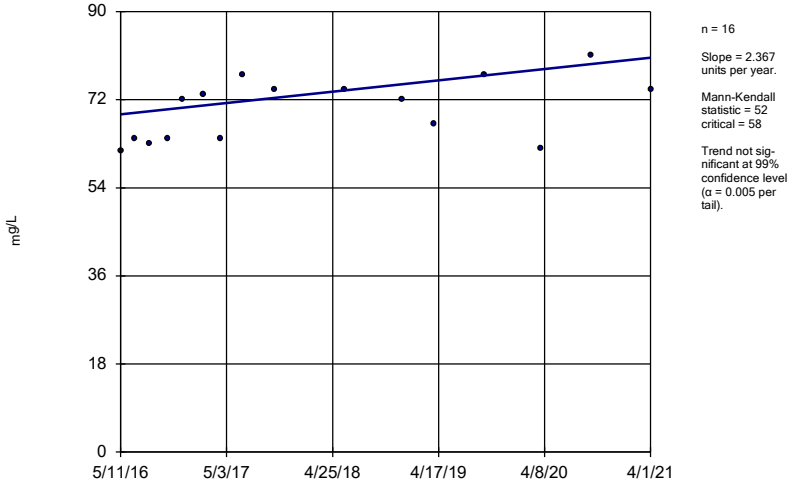
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 16

Slope = 2.367 units per year.

Mann-Kendall statistic = 52
critical = 58

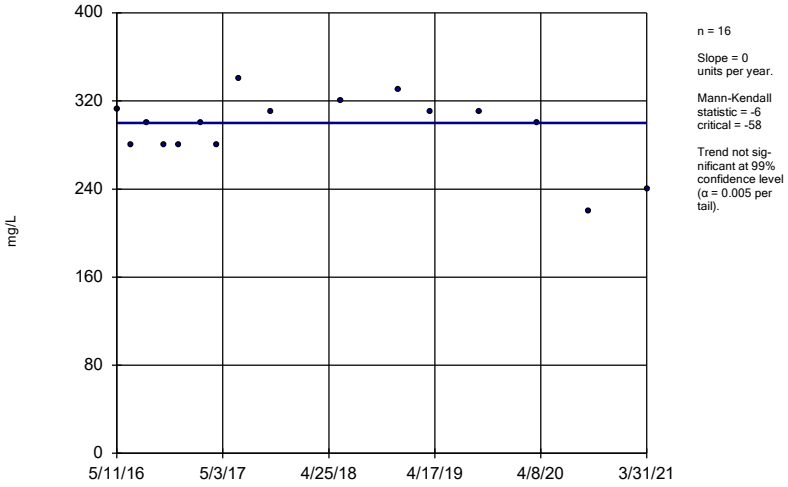
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -6 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

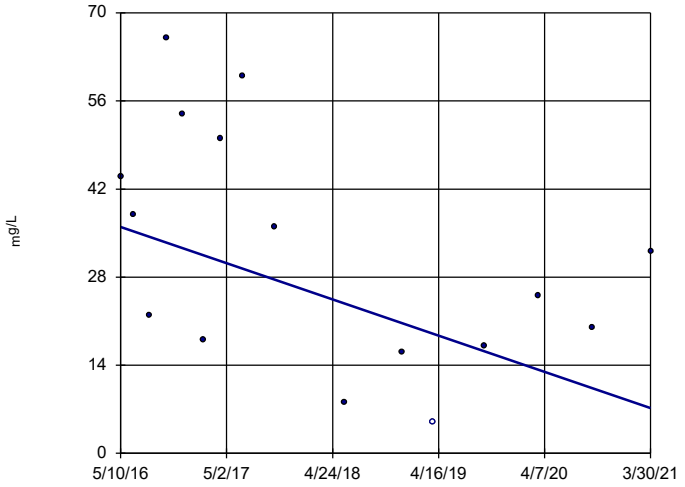
Constituent: Sulfate, total Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 16

Slope = -5.888 units per year.

Mann-Kendall statistic = -38 critical = -58

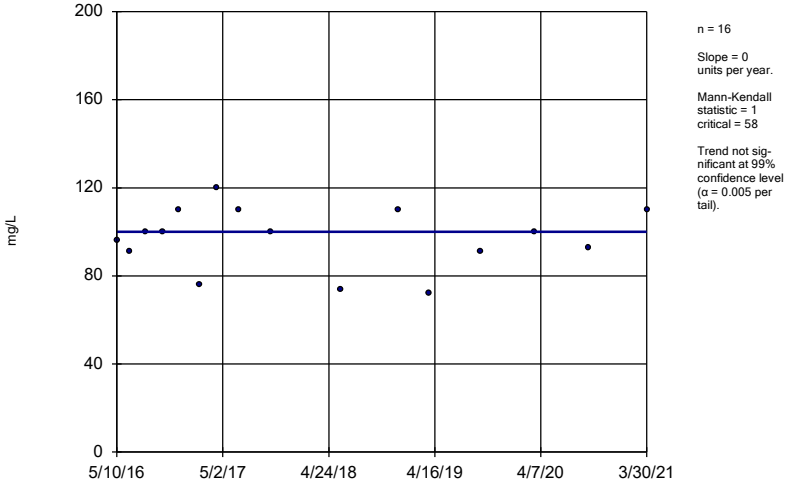
Trend not significant at 99% confidence level (α = 0.005 per tail).

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)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 58

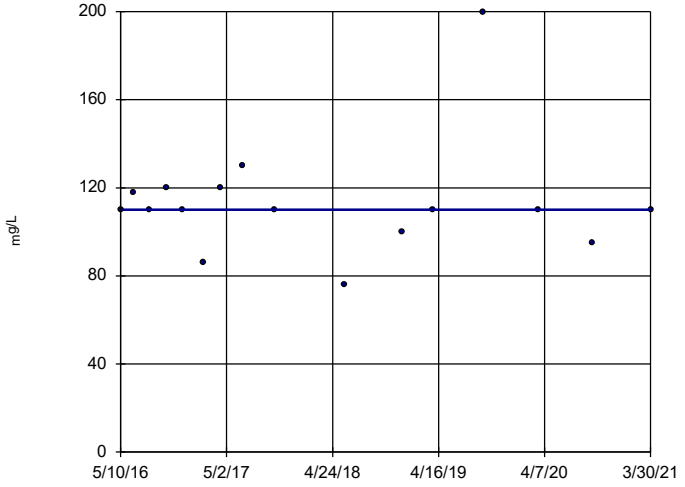
Trend not significant at 99% confidence level (α = 0.005 per tail).

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)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -12 critical = -58

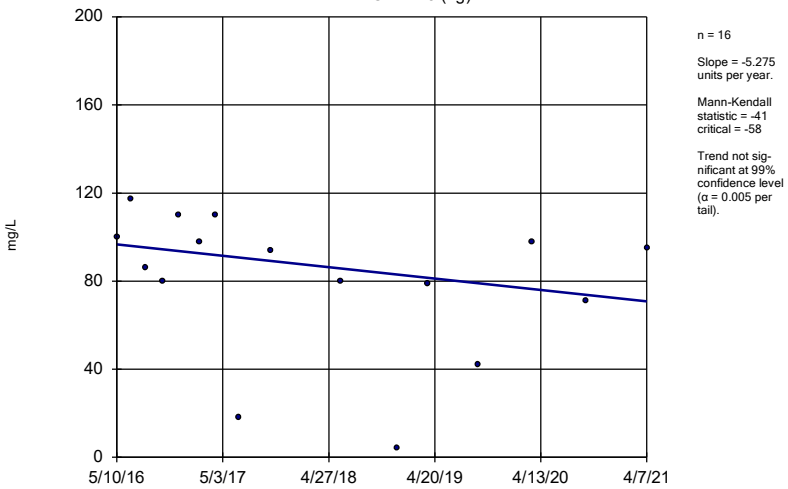
Trend not significant at 99% confidence level (α = 0.005 per tail).

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-25 (bg)



n = 16

Slope = -5.275 units per year.

Mann-Kendall statistic = -41 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

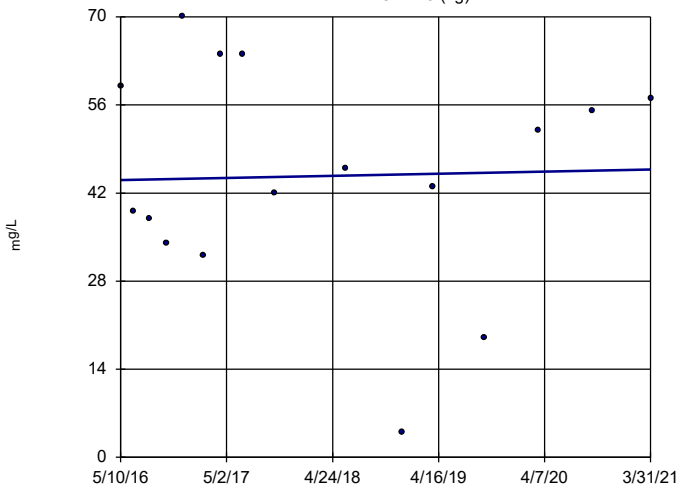
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 16

Slope = 0.3424 units per year.

Mann-Kendall statistic = 1 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

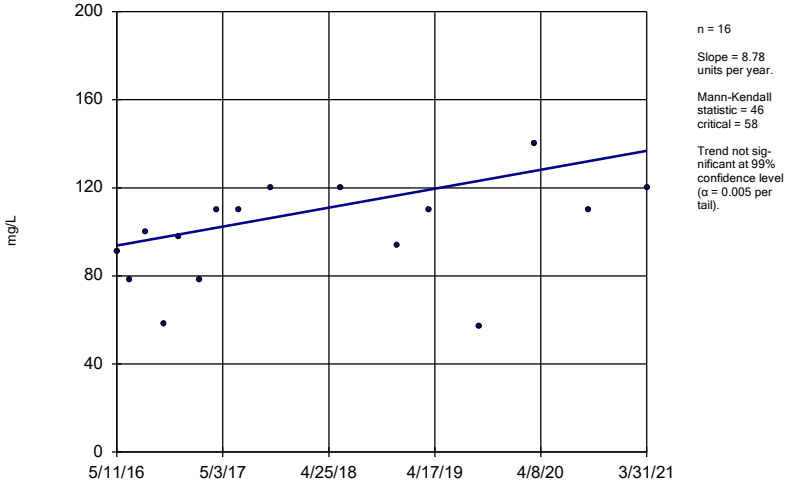
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 16

Slope = 8.78 units per year.

Mann-Kendall statistic = 46 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

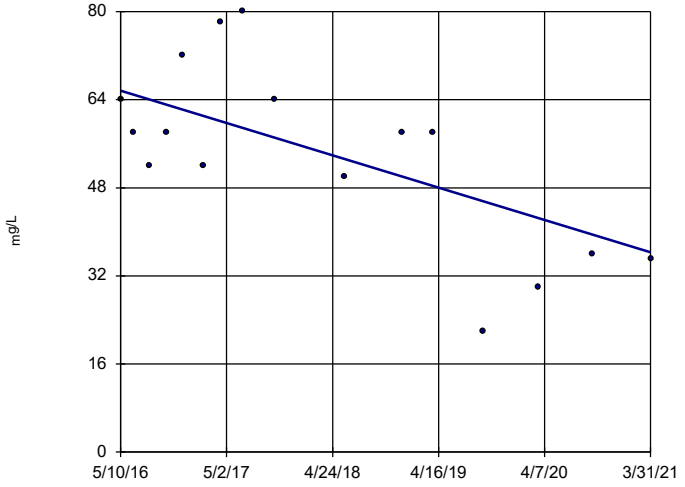
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 16

Slope = -5.998 units per year.

Mann-Kendall statistic = -46 critical = -58

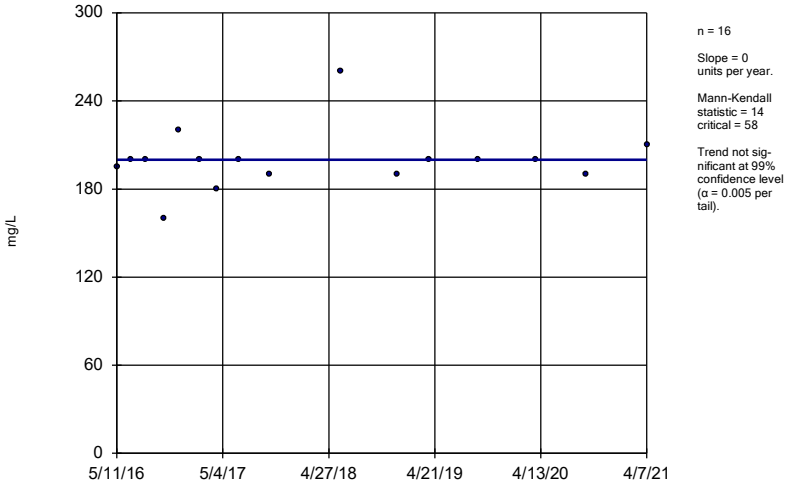
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 14 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

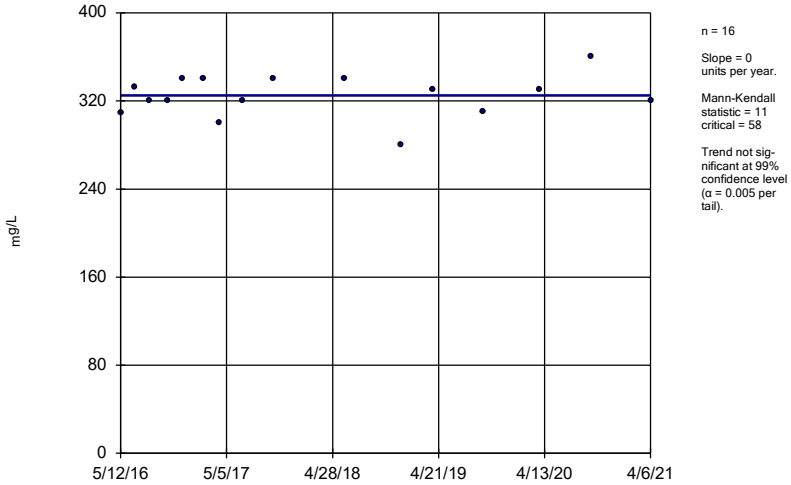
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

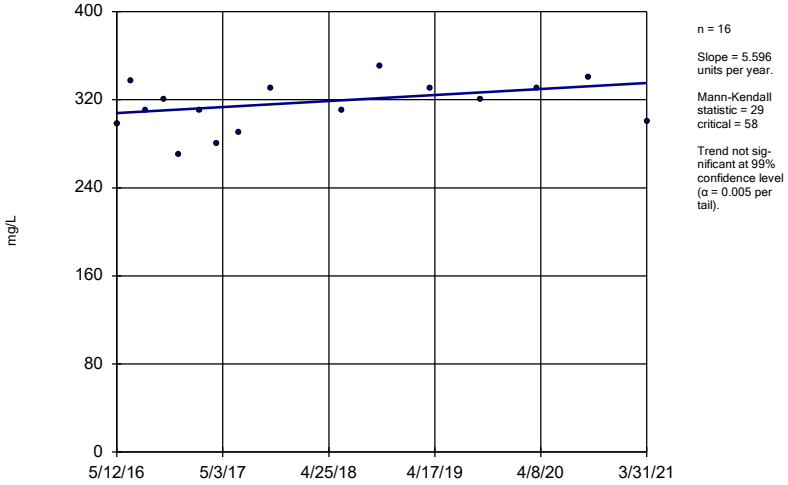
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 16

Slope = 5.596 units per year.

Mann-Kendall statistic = 29 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

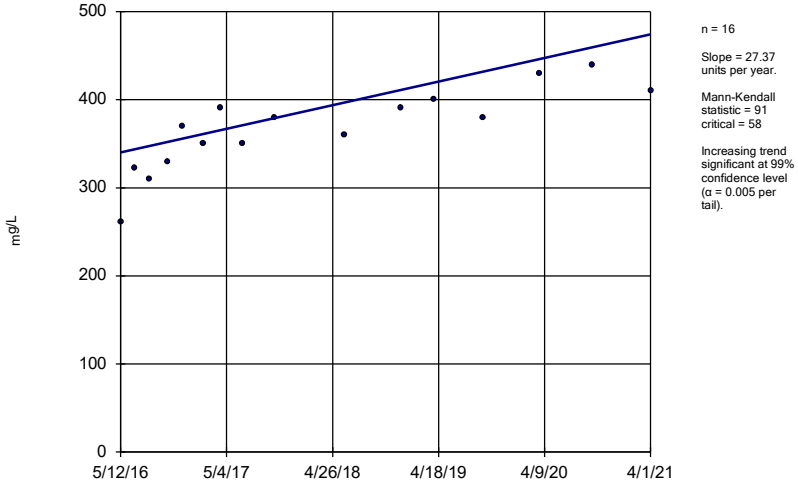
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 16

Slope = 27.37 units per year.

Mann-Kendall statistic = 91 critical = 58

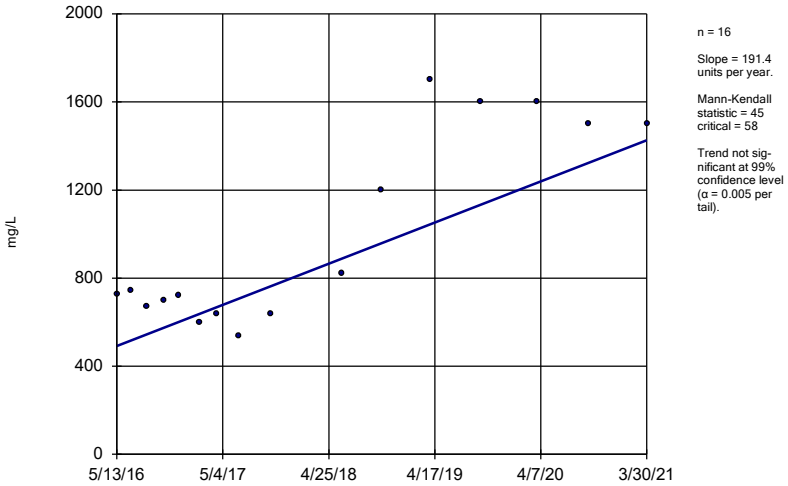
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 191.4 units per year.

Mann-Kendall statistic = 45 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

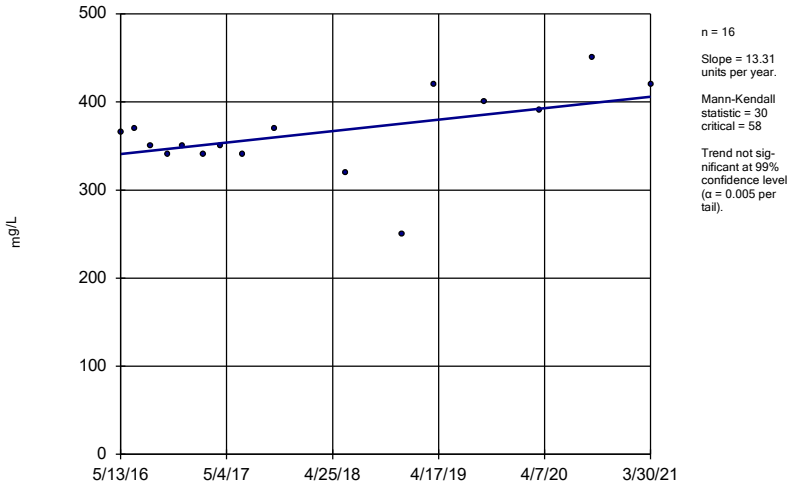
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 16

Slope = 13.31 units per year.

Mann-Kendall statistic = 30 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

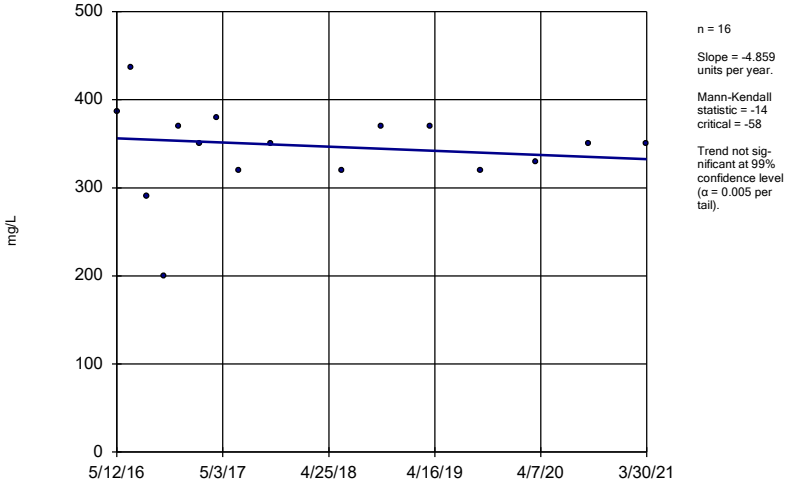
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 16

Slope = -4.859 units per year.

Mann-Kendall statistic = -14 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

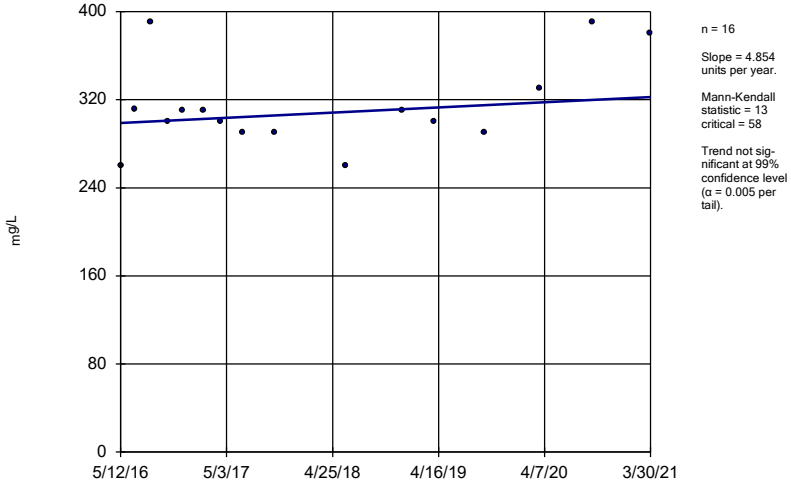
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 16

Slope = 4.854 units per year.

Mann-Kendall statistic = 13 critical = 58

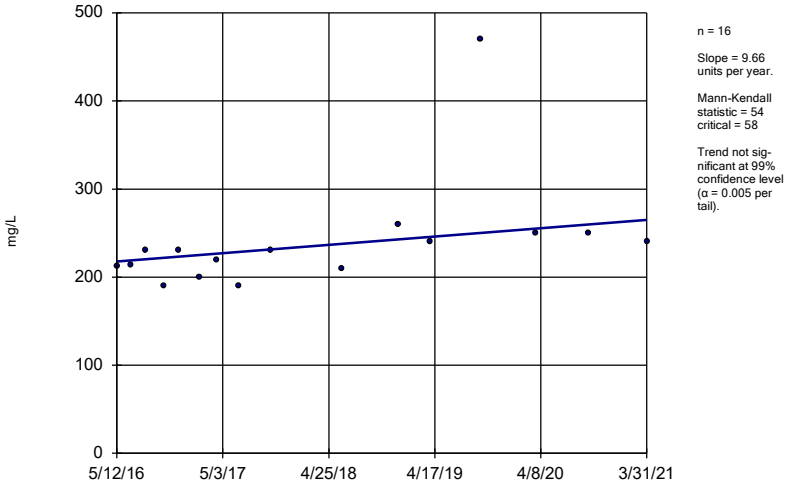
Trend not significant at 99% confidence level (α = 0.005 per tail).

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



n = 16

Slope = 9.66 units per year.

Mann-Kendall statistic = 54 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

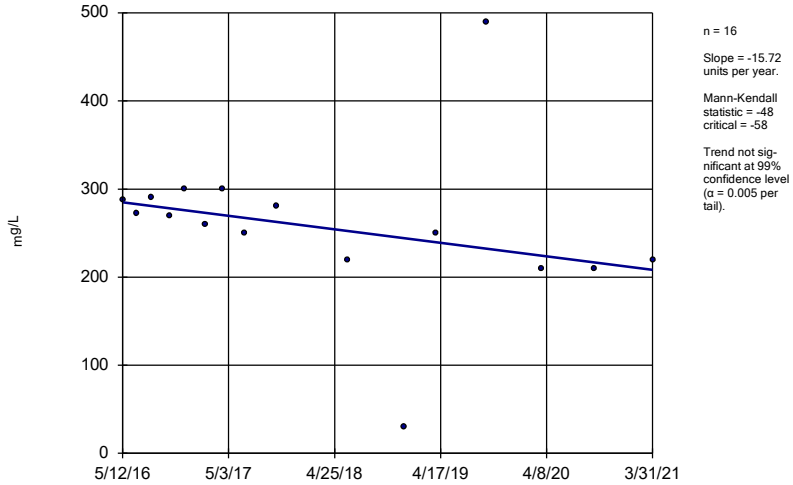
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 16

Slope = -15.72 units per year.

Mann-Kendall statistic = -48 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

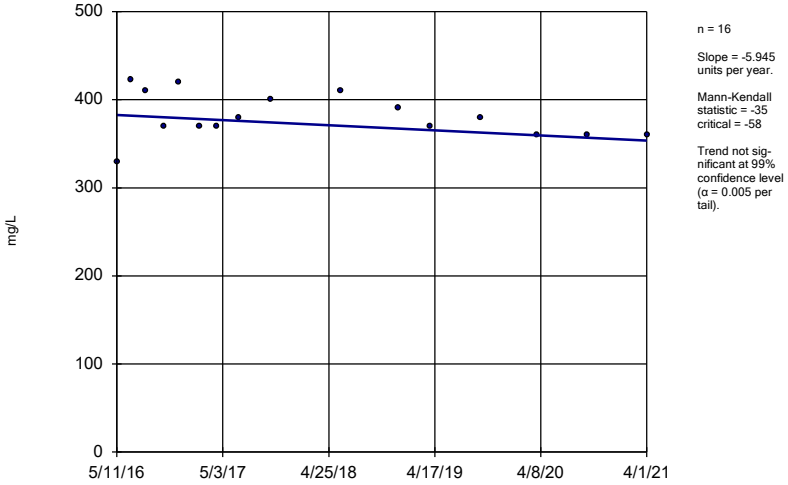
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 16

Slope = -5.945 units per year.

Mann-Kendall statistic = -35 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

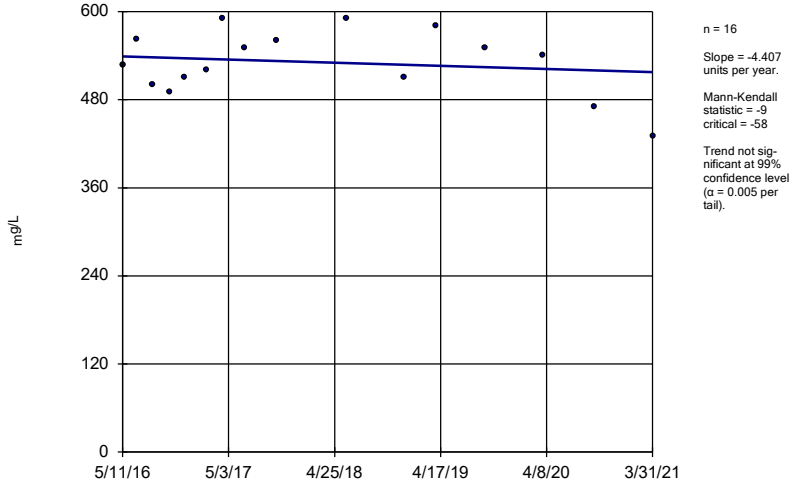
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/26/2021 9:30 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 16

Slope = -4.407 units per year.

Mann-Kendall statistic = -9 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

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.

SCHERER ASH POND GWPS					
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**Federal GWPS**	**State GWPS**
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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
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)
Cobalt (mg/L)	**SGWC-10**	**0.03201**	**0.0216**	**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
Cobalt (mg/L)	**SGWC-11**	**0.02885**	**0.02241**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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.
Cobalt (mg/L)	**SGWC-15**	**0.2765**	**0.2595**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)
Cobalt (mg/L)	**SGWC-18**	**0.1586**	**0.1168**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2203**	**0.1607**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)

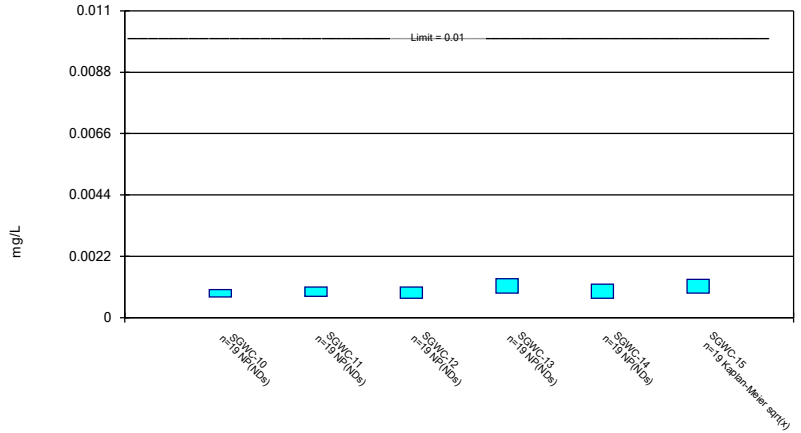
Federal Confidence Interval - All Results

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.

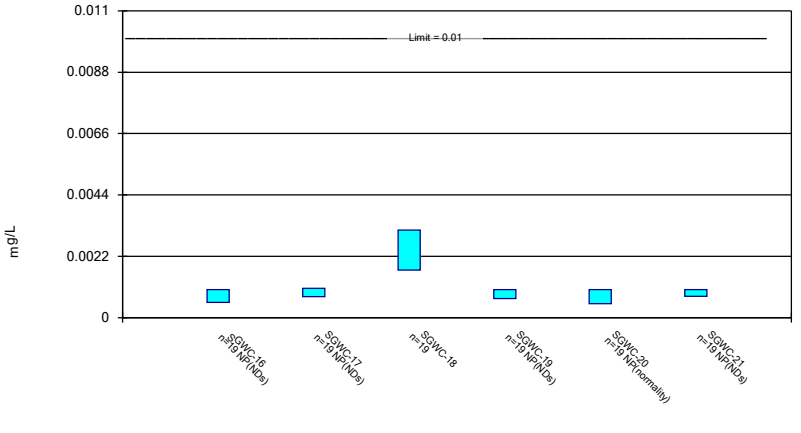


Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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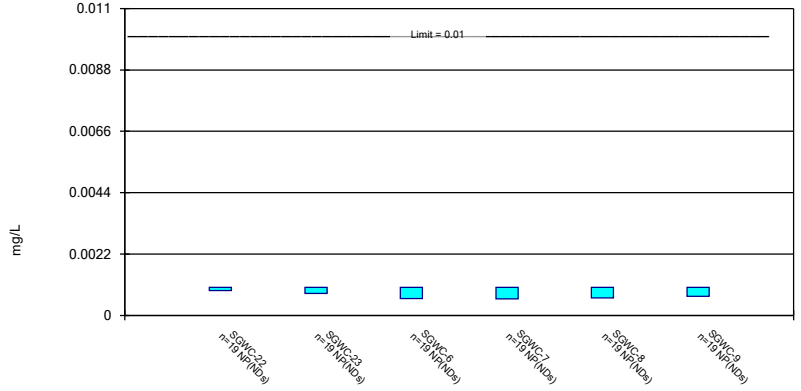
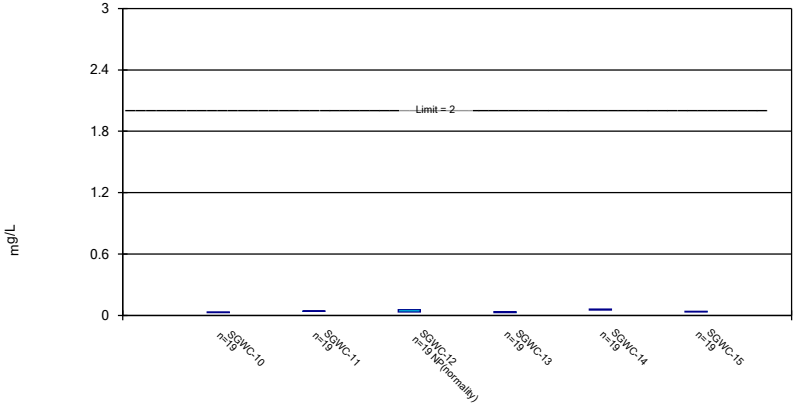


Constituent: Arsenic Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

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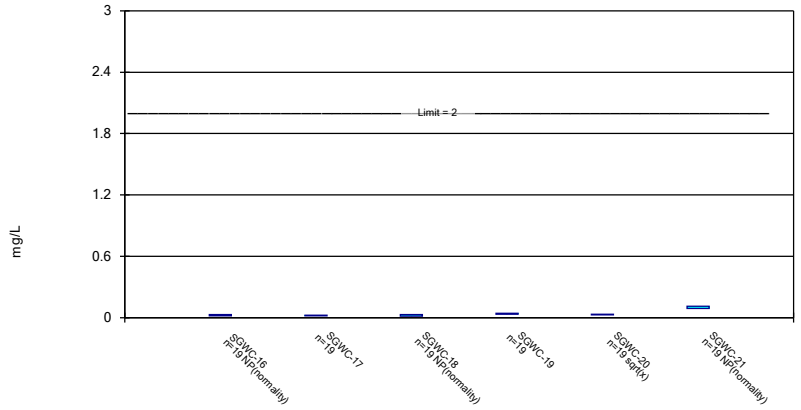
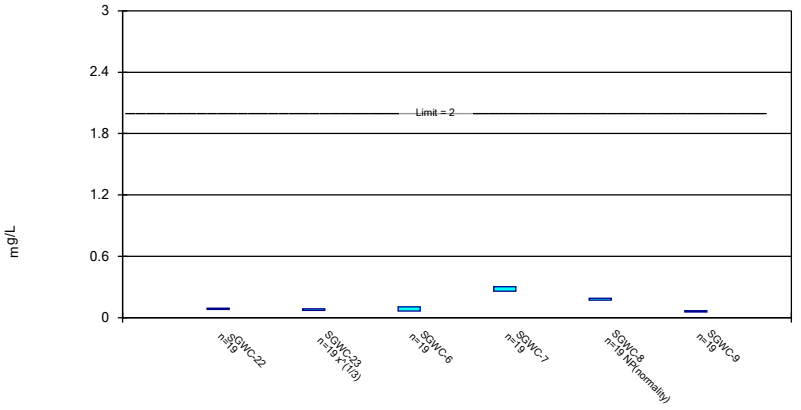


Constituent: Barium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

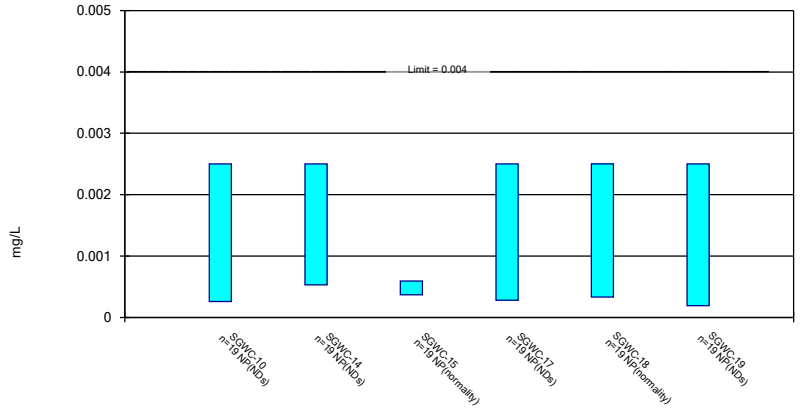


Constituent: Barium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

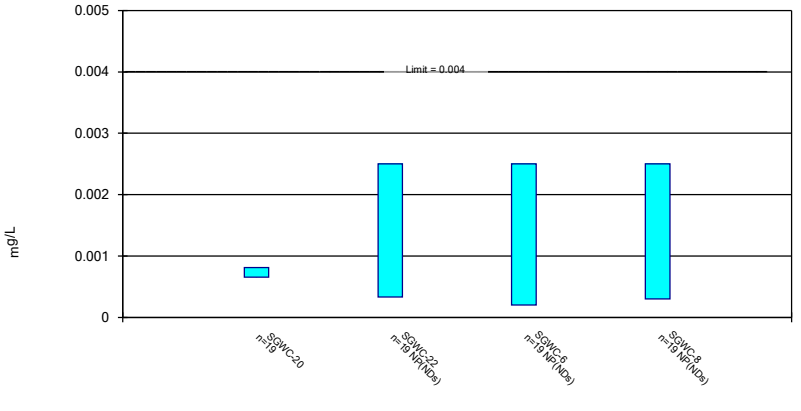


Constituent: Beryllium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

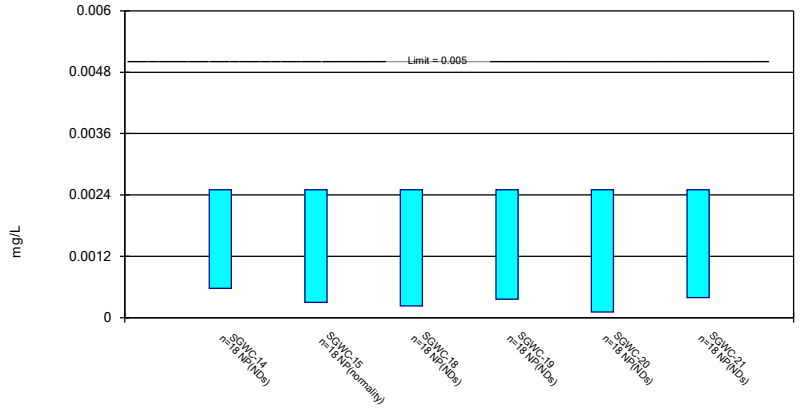
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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.

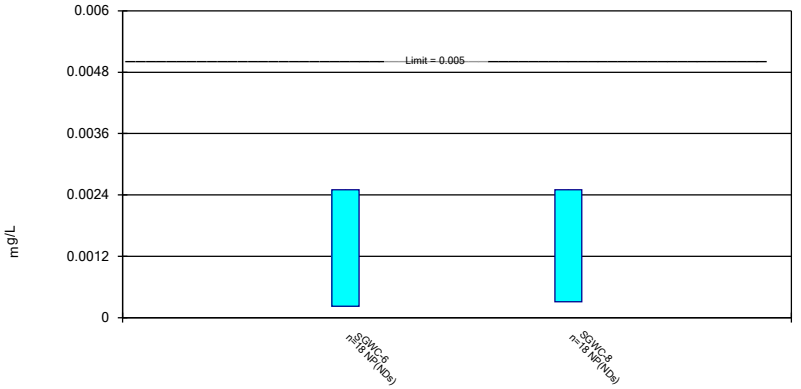


Constituent: Cadmium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

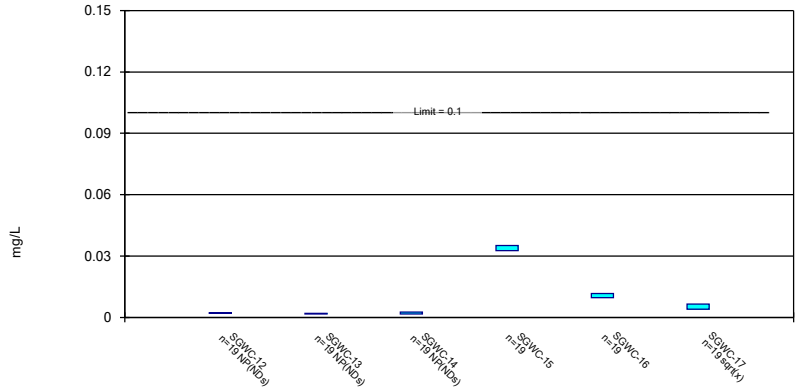


Constituent: Cadmium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

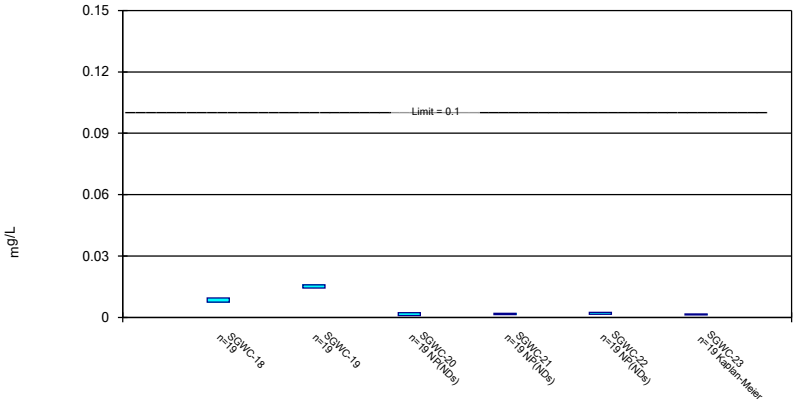


Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

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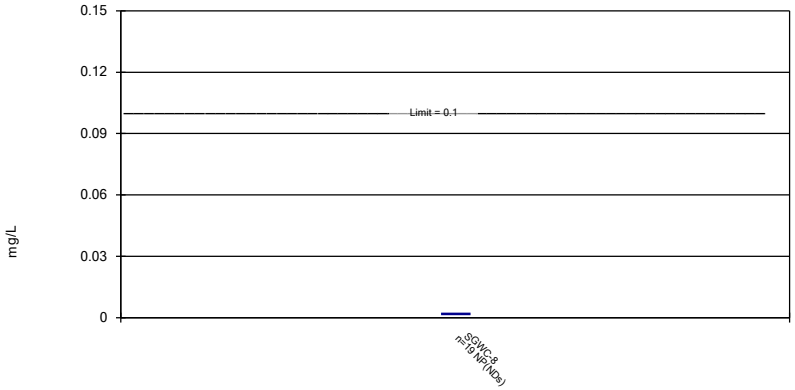
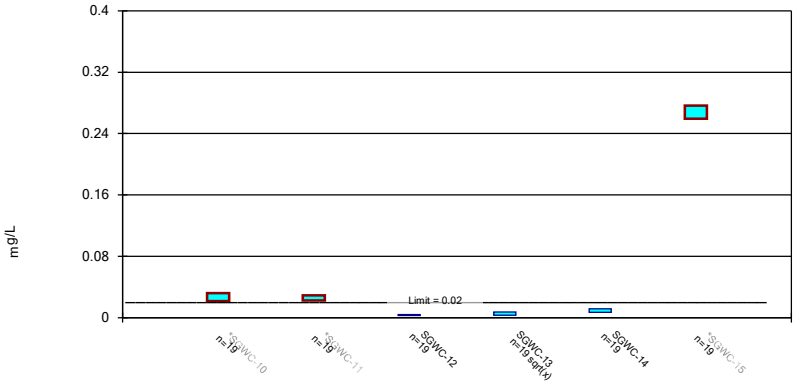


Constituent: Chromium Analysis Run 6/3/2021 11:31 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

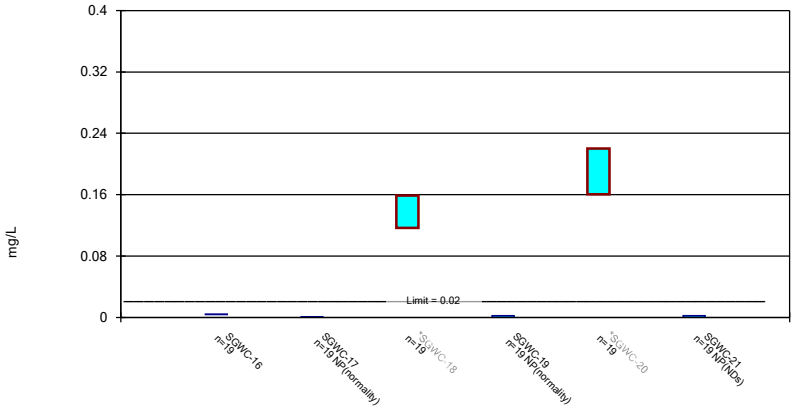
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

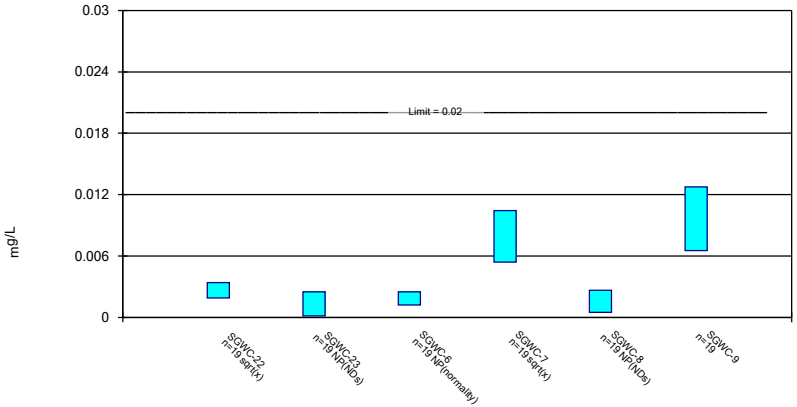
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

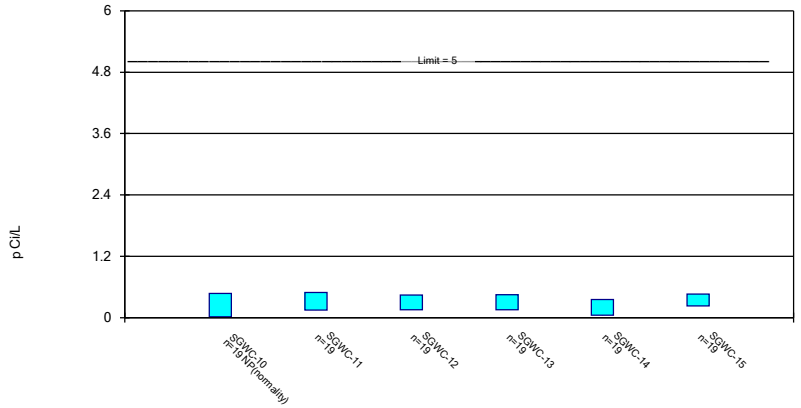
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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.



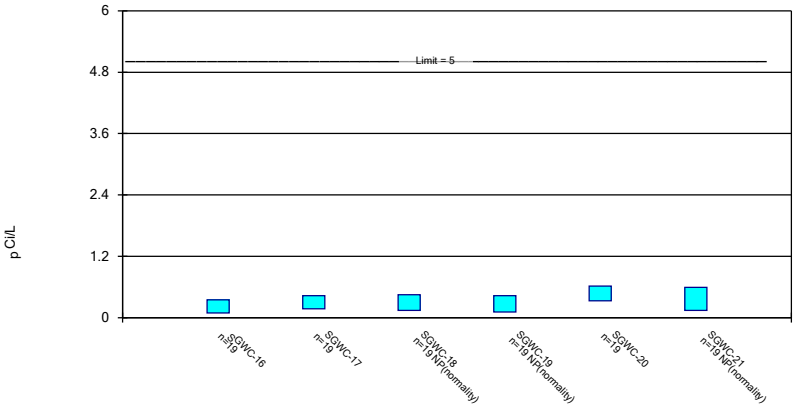
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



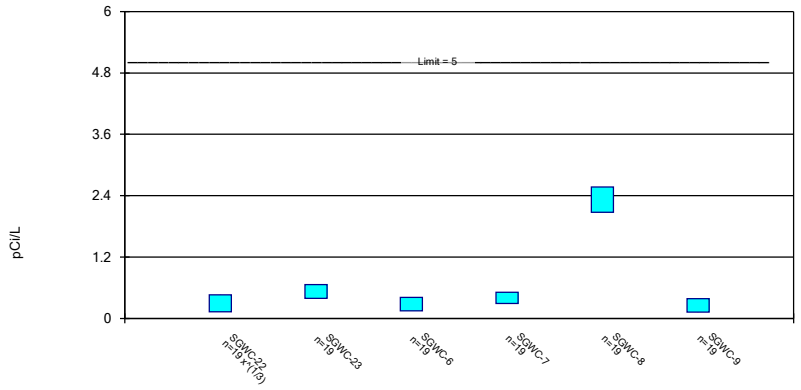
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



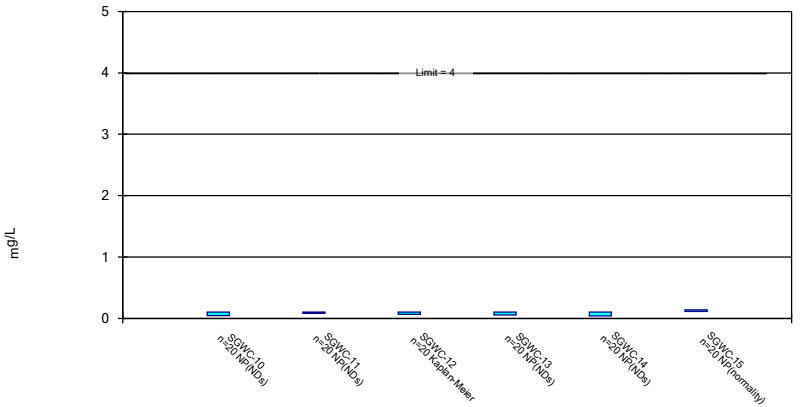
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

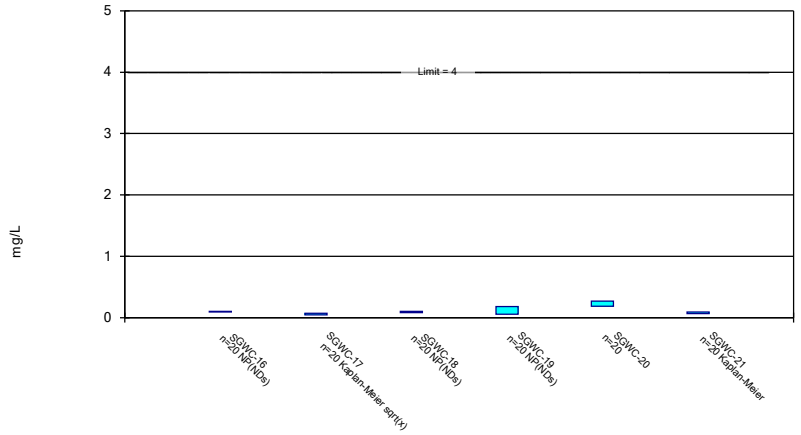


Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV

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.



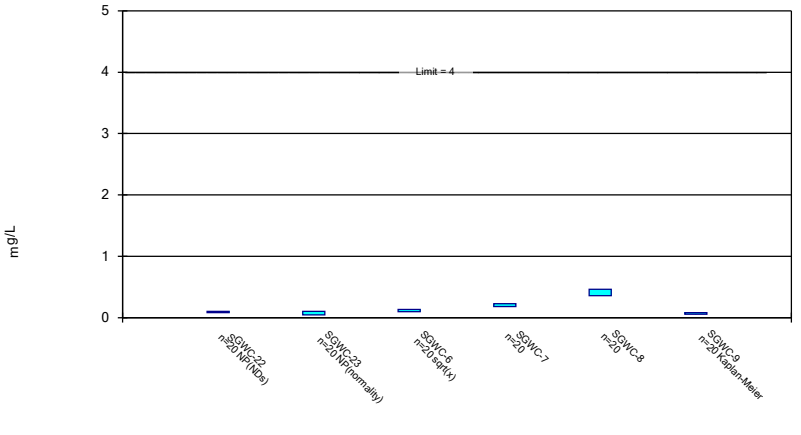
Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



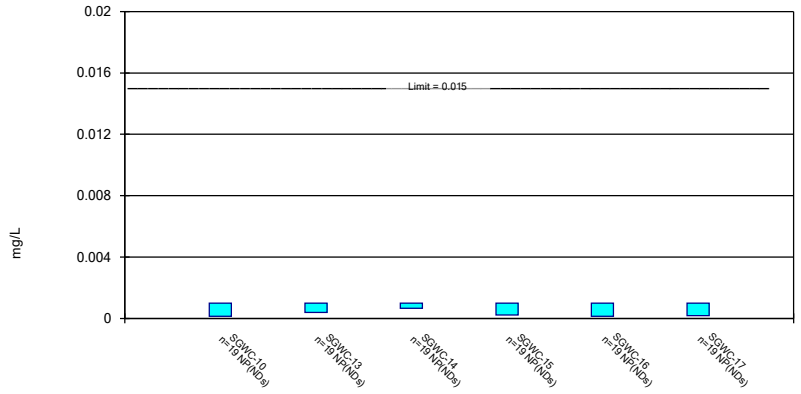
Constituent: Fluoride, total Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



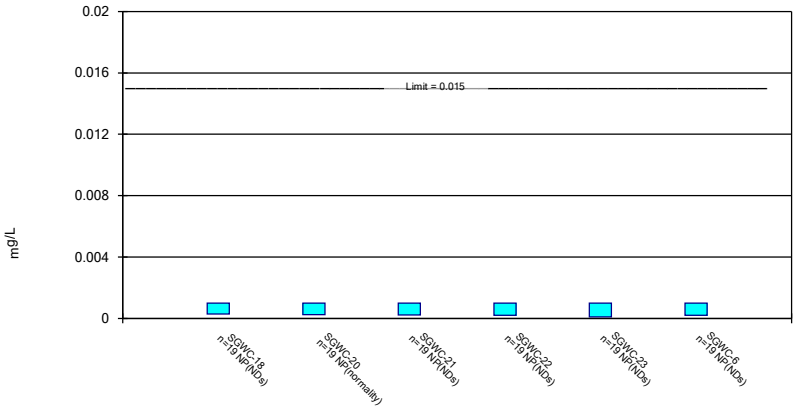
Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

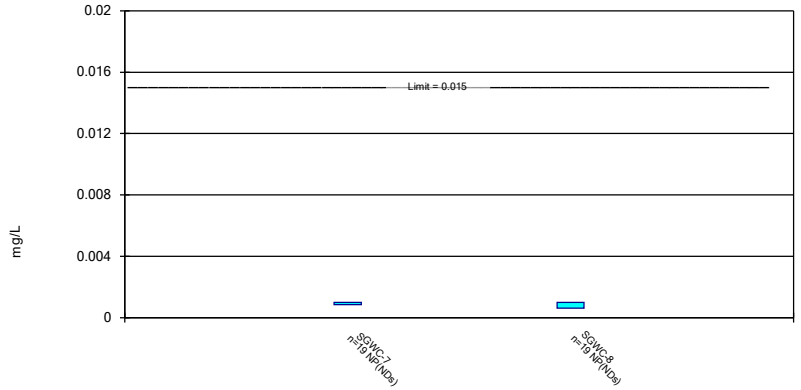


Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

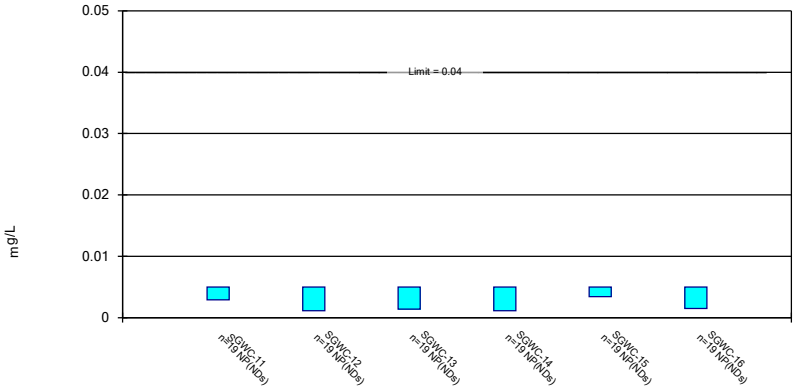


Constituent: Lead Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

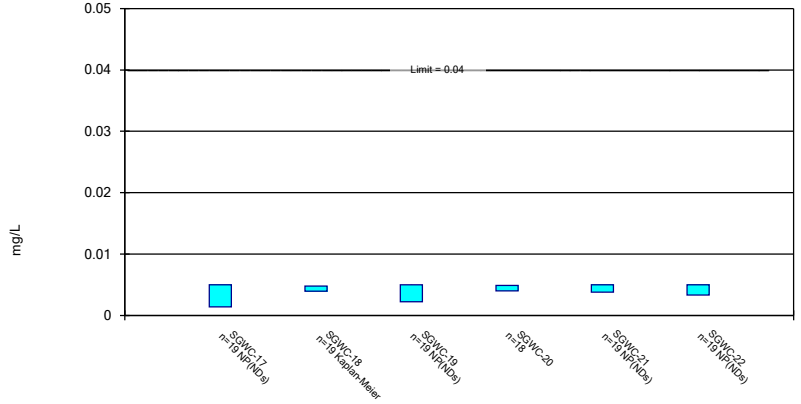


Constituent: Lithium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

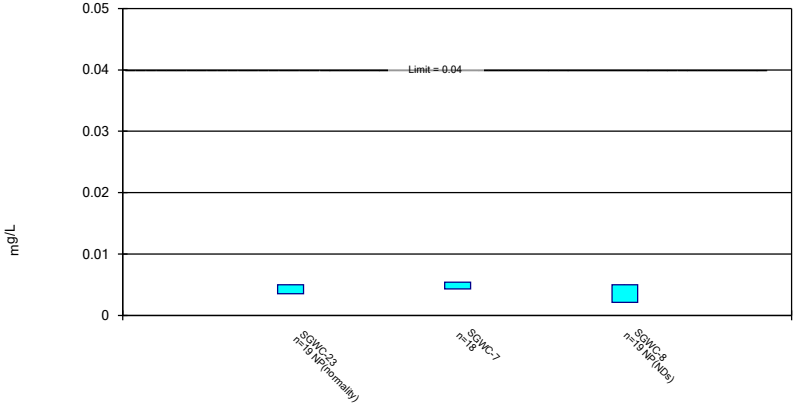


Constituent: Lithium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

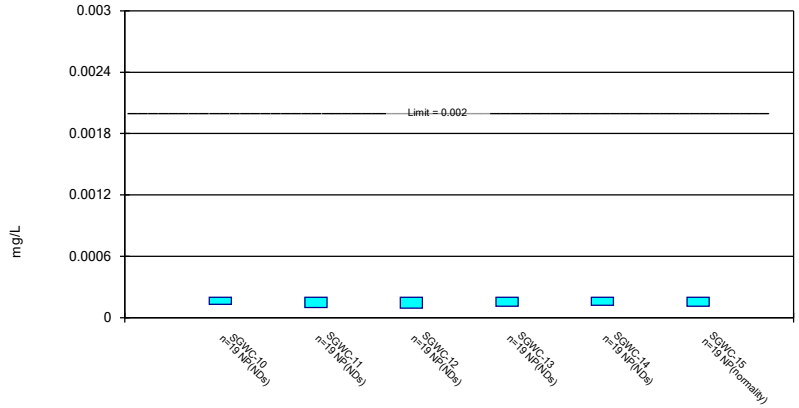
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 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.

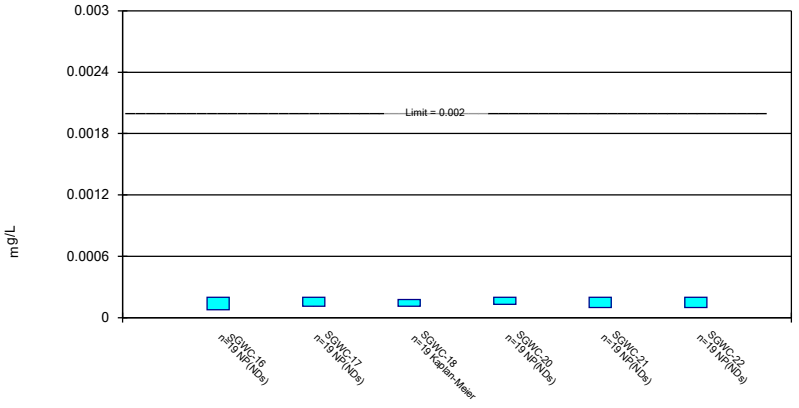


Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

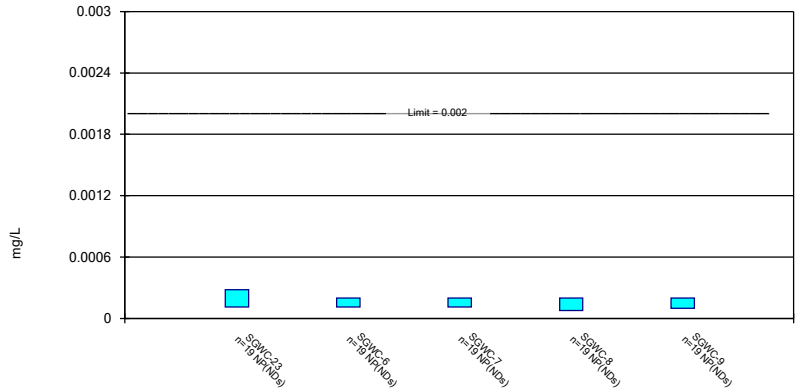


Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

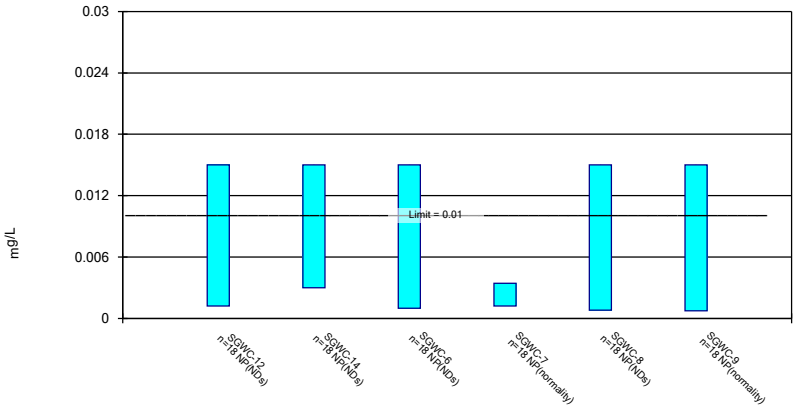


Constituent: Mercury Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

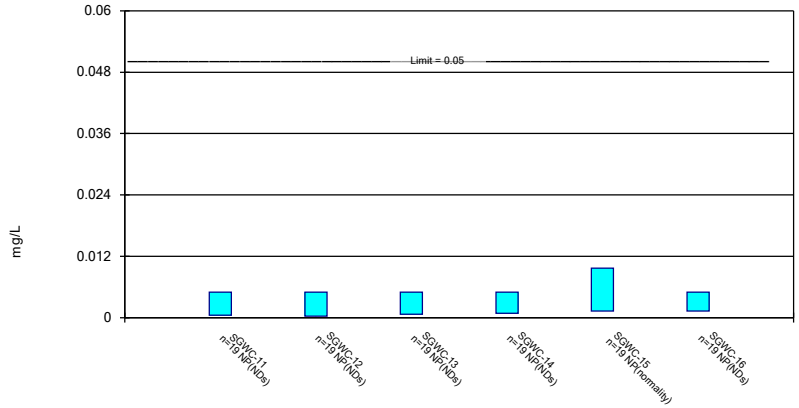
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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.

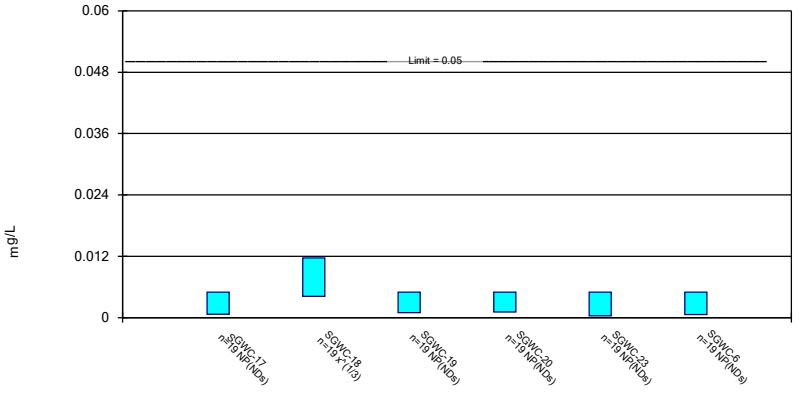


Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

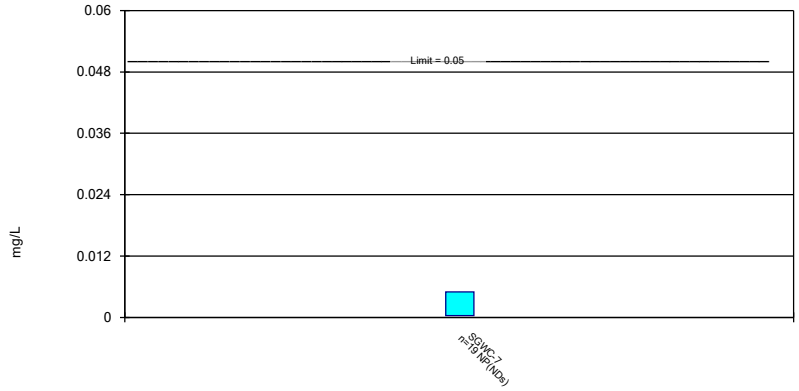


Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

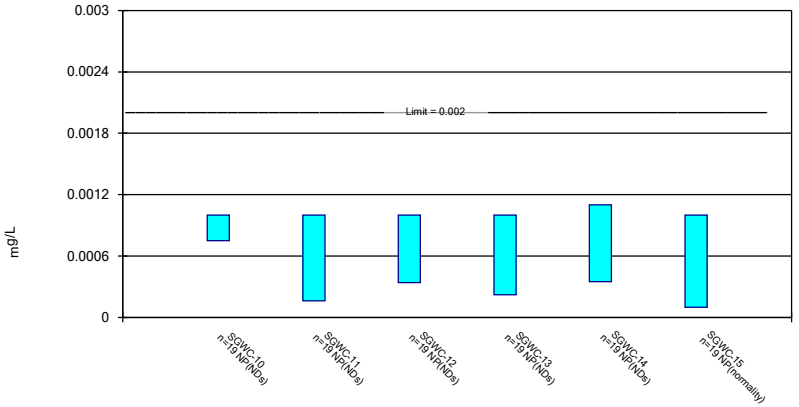


Constituent: Selenium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

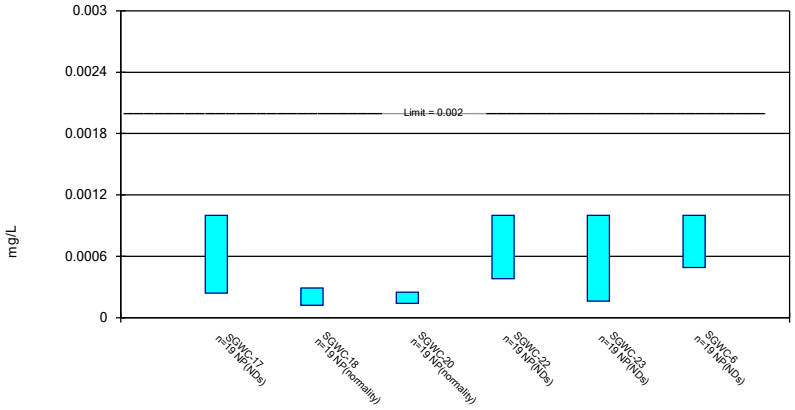
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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.

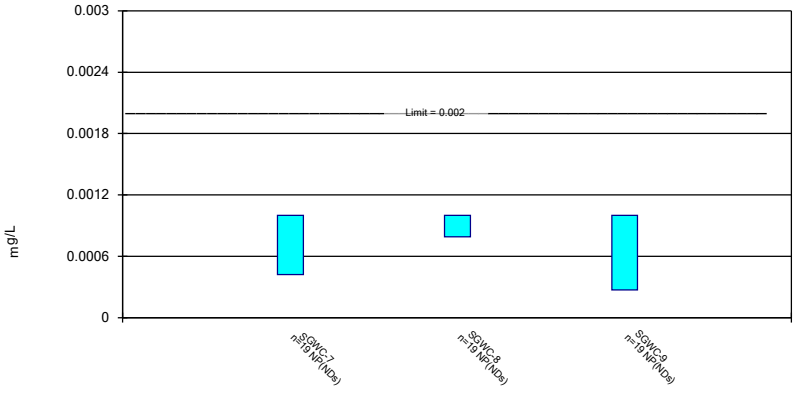


Constituent: Thallium Analysis Run 6/3/2021 11:32 AM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
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)
Cobalt (mg/L)	**SGWC-10**	**0.03201**	**0.0216**	**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
Cobalt (mg/L)	**SGWC-11**	**0.02885**	**0.02241**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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.
Cobalt (mg/L)	**SGWC-15**	**0.2765**	**0.2595**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)
Cobalt (mg/L)	**SGWC-18**	**0.1586**	**0.1168**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00015	0.02	No	19	47.37	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2203**	**0.1607**	**0.02**	**Yes**	**19**	**0**	**None**	**No**	**0.01**	**Param.**
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)

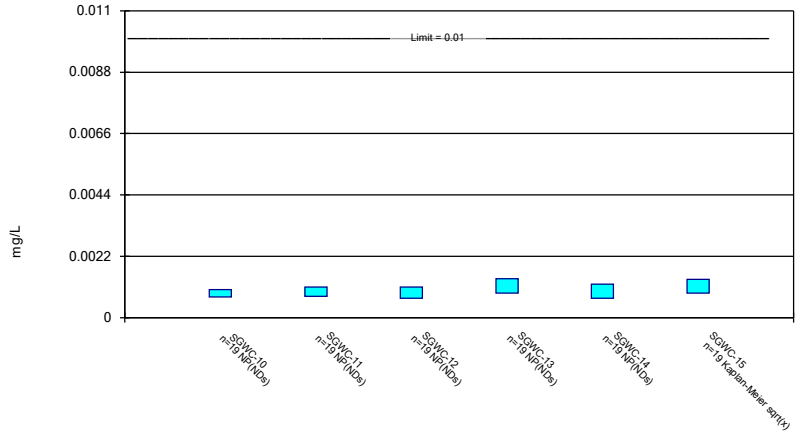
State Confidence Interval - All Results

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.

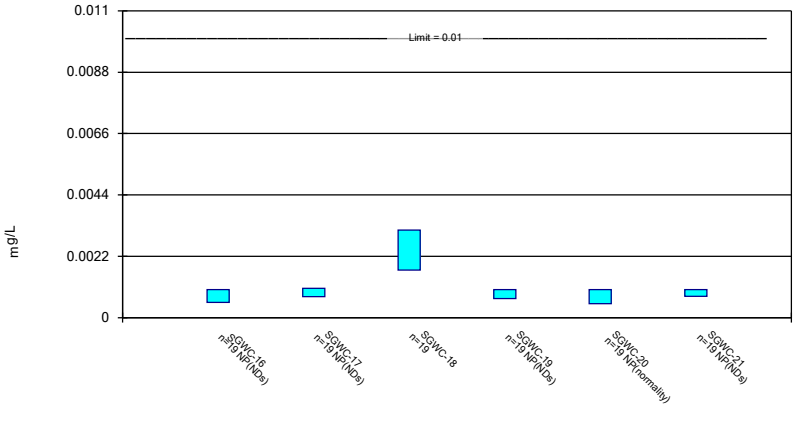


Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

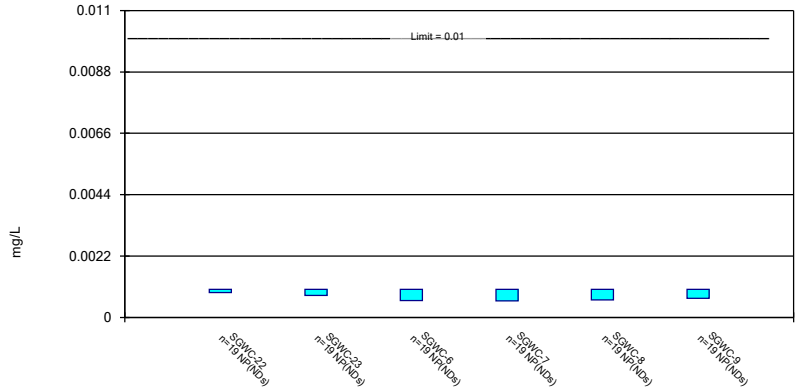


Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

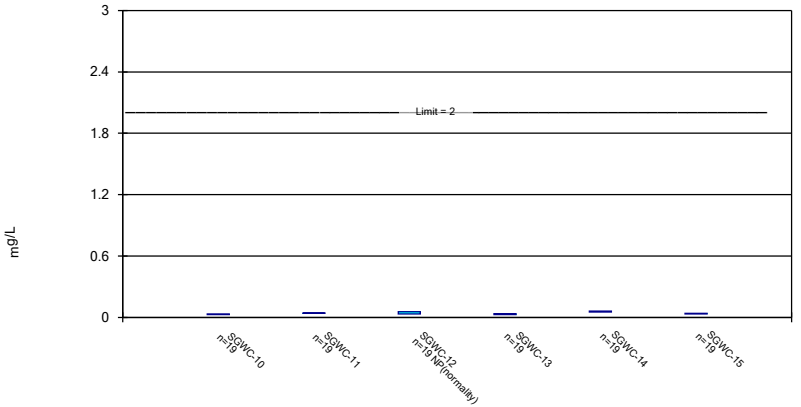


Constituent: Arsenic Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

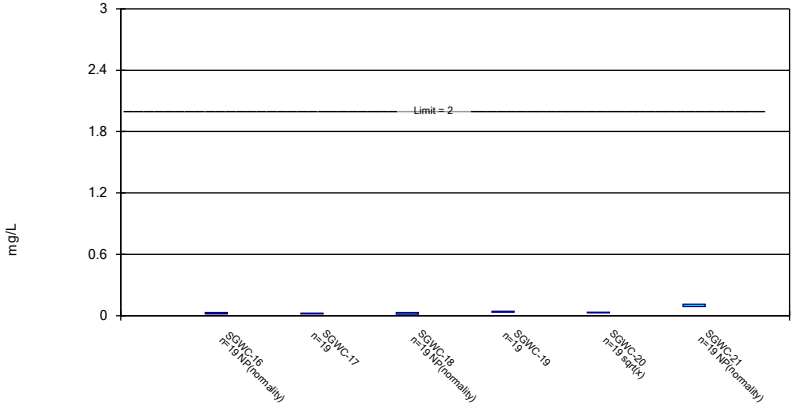
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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.

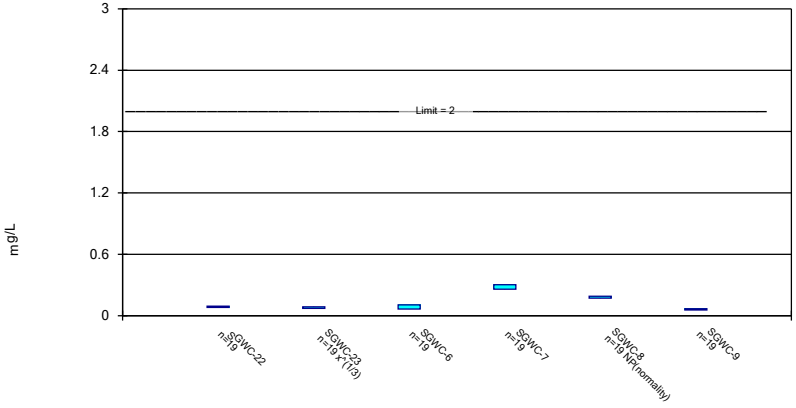


Constituent: Barium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

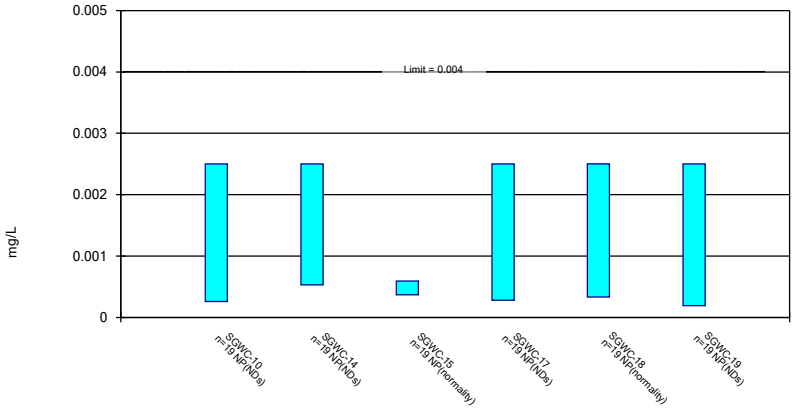


Constituent: Barium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

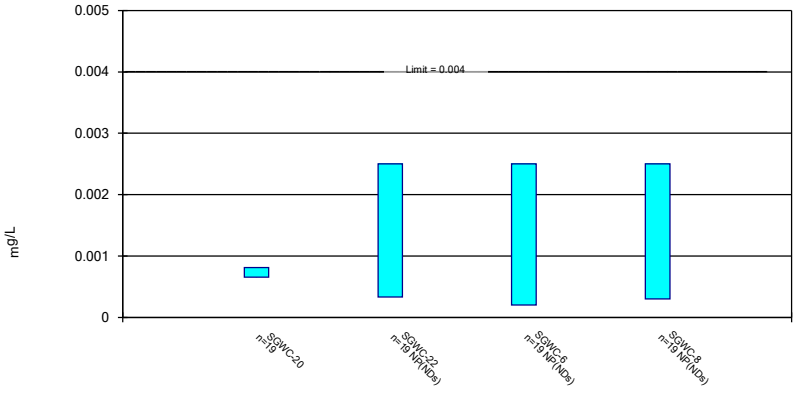


Constituent: Beryllium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

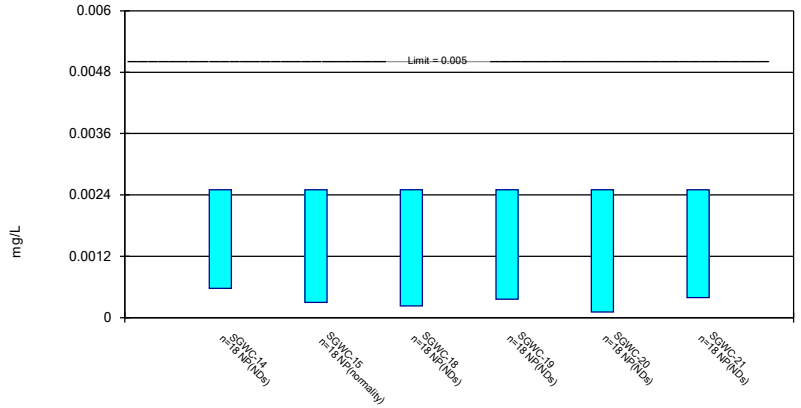
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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.

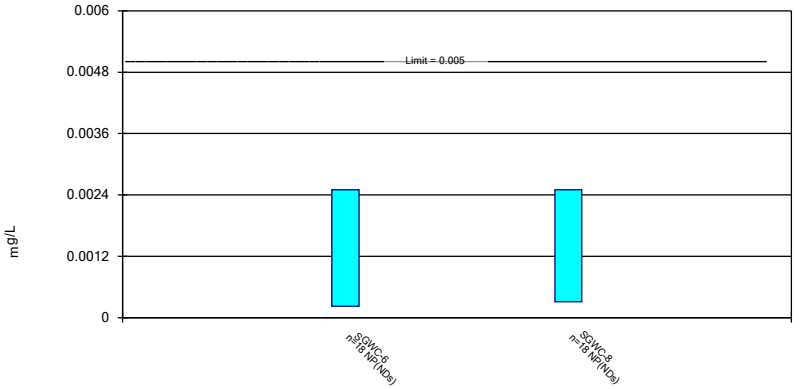


Constituent: Cadmium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

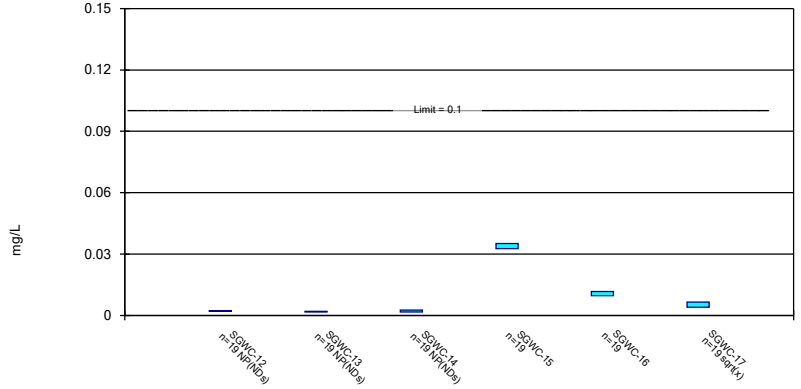


Constituent: Cadmium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

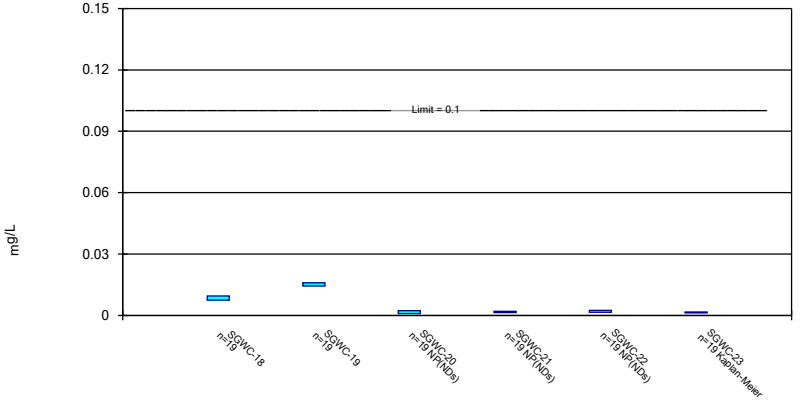


Constituent: Chromium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

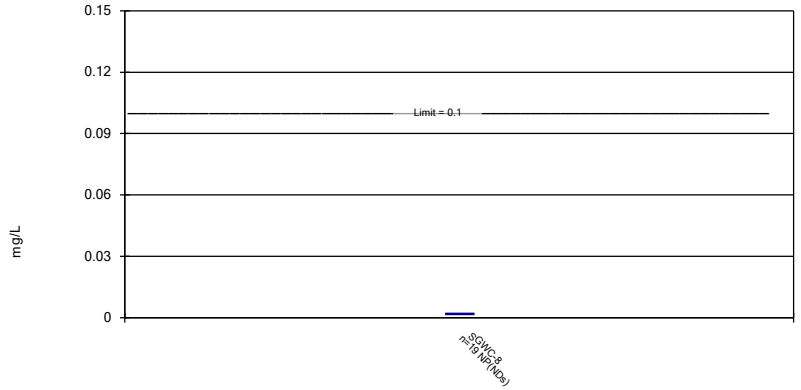
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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.

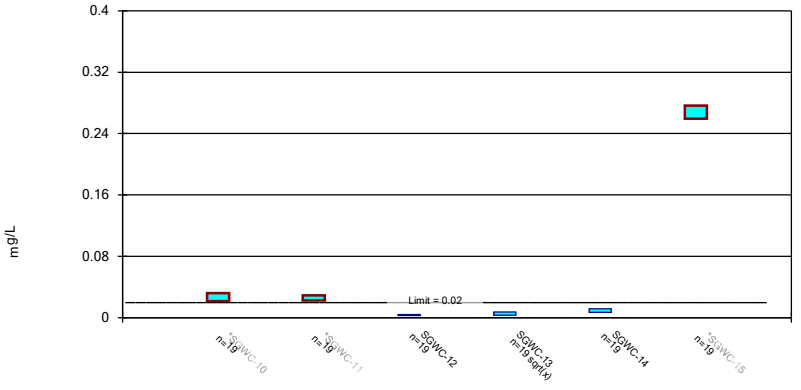


Constituent: Chromium Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

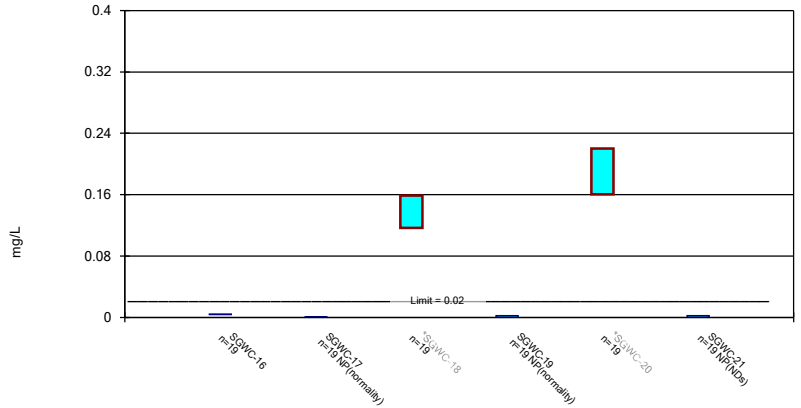


Constituent: Cobalt Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

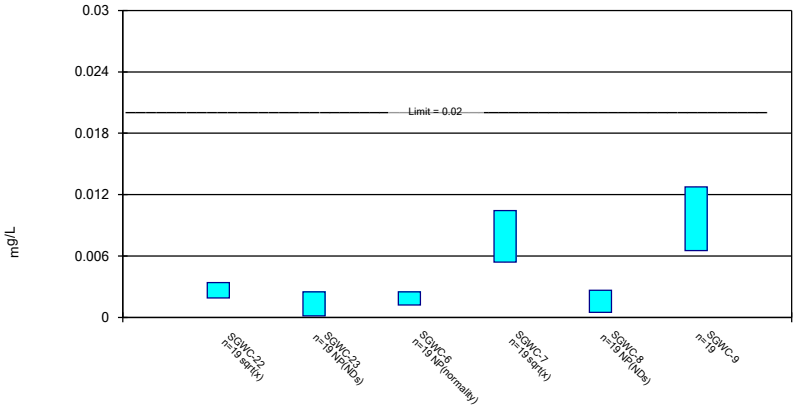


Constituent: Cobalt Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

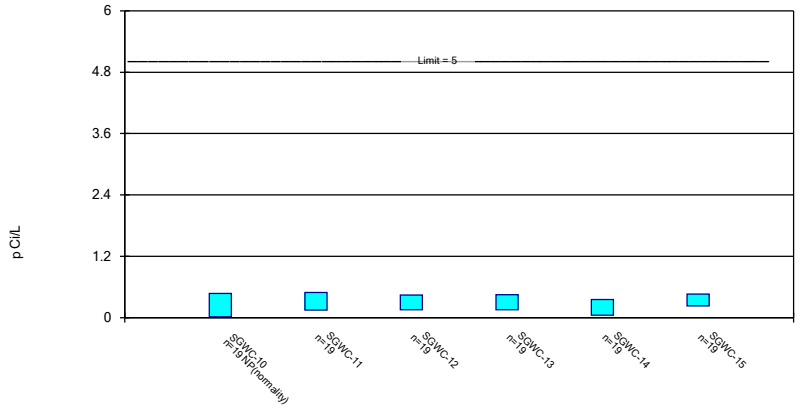
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 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.



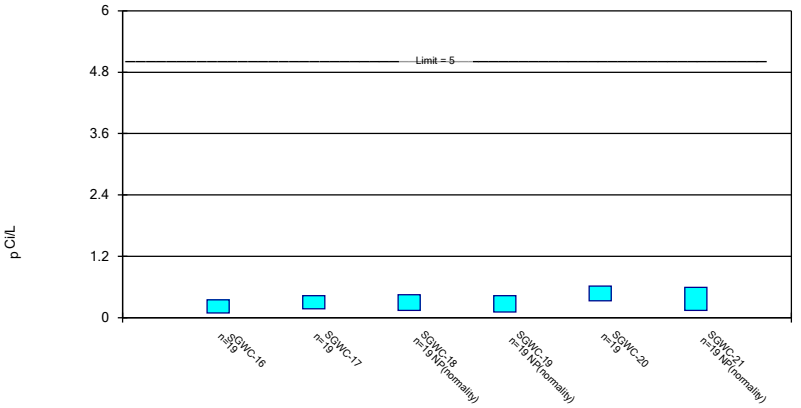
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



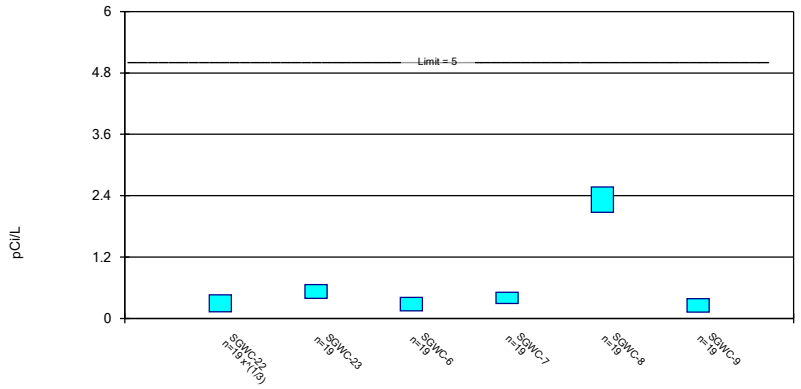
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



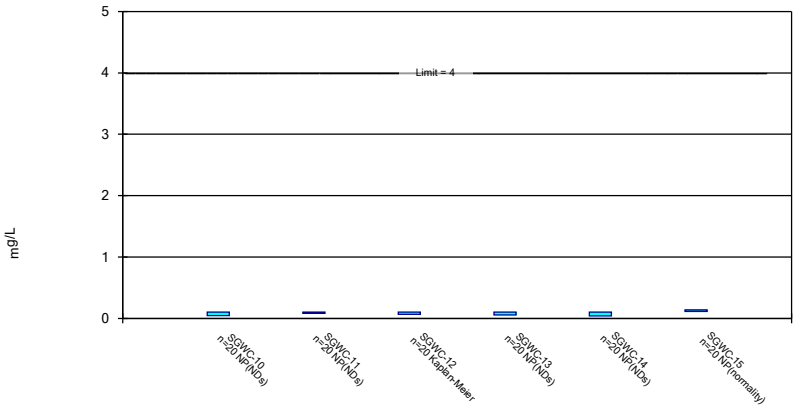
Constituent: Combined Radium 226 + 228 Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

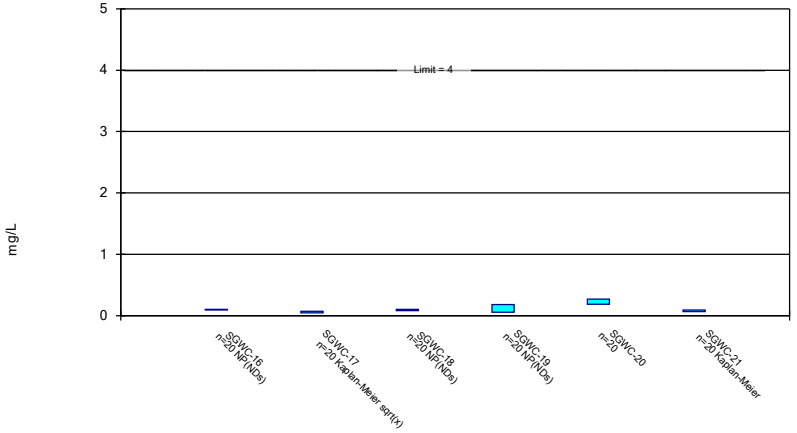


Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals

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.

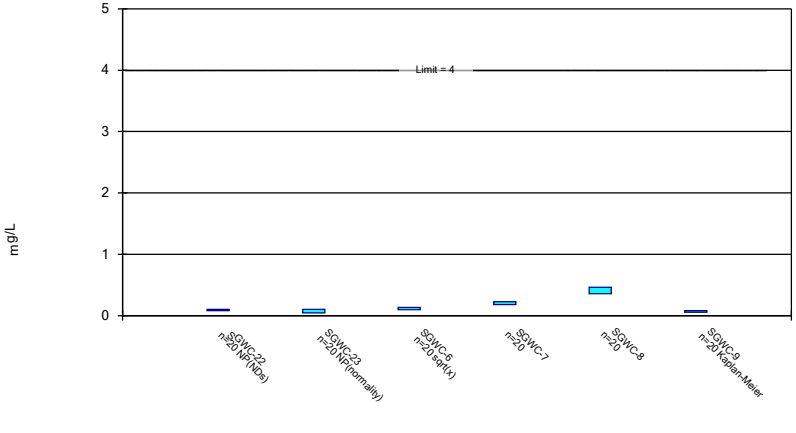


Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

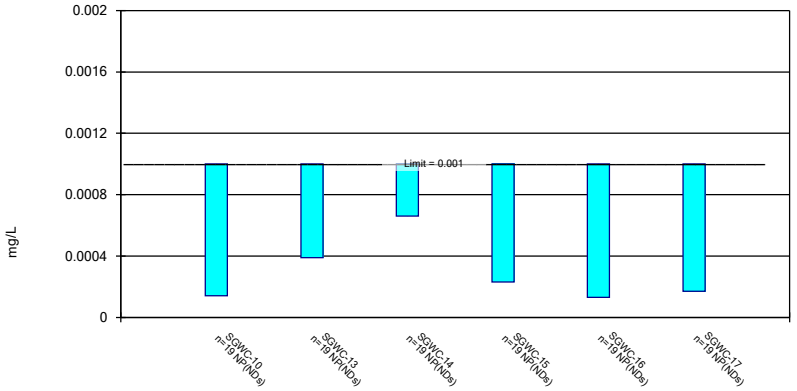


Constituent: Fluoride, total Analysis Run 6/3/2021 11:37 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

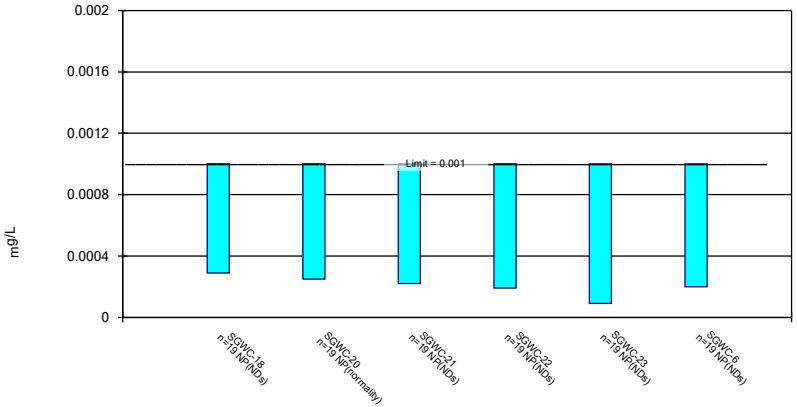


Constituent: Lead Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

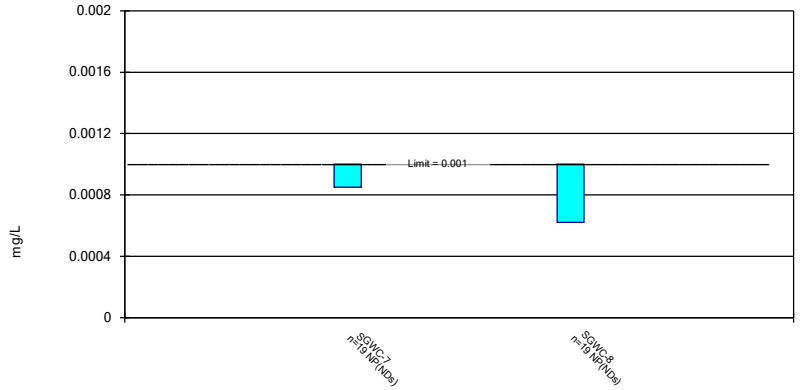
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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.

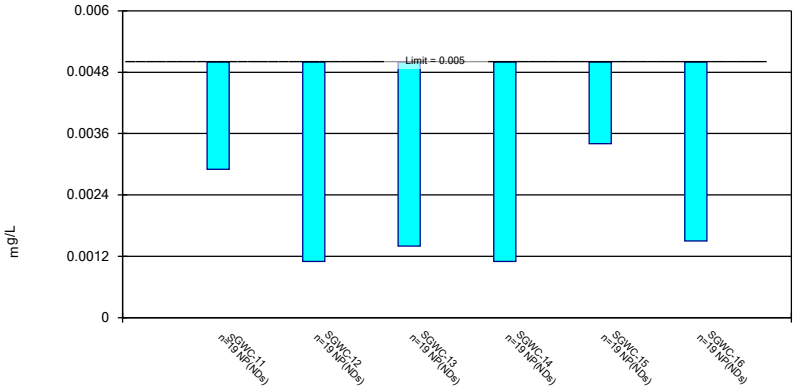


Constituent: Lead Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

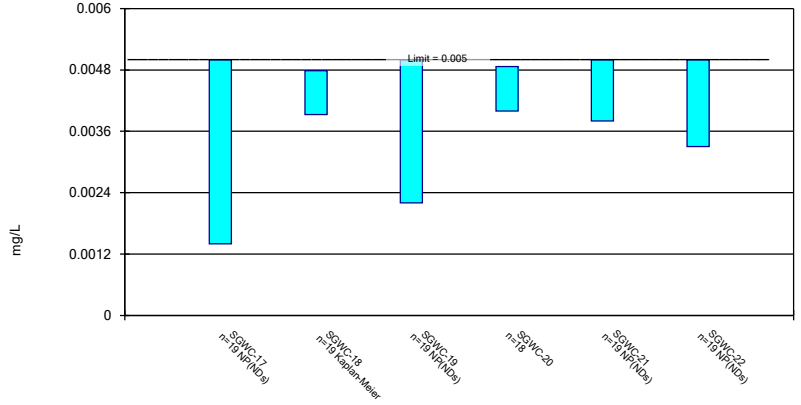


Constituent: Lithium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

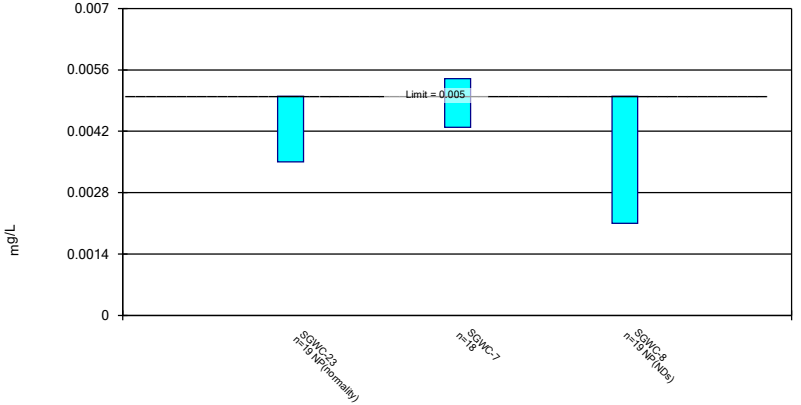


Constituent: Lithium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

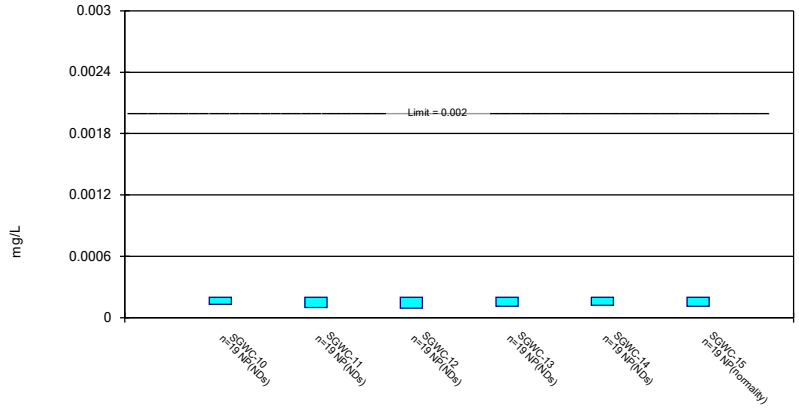
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 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.

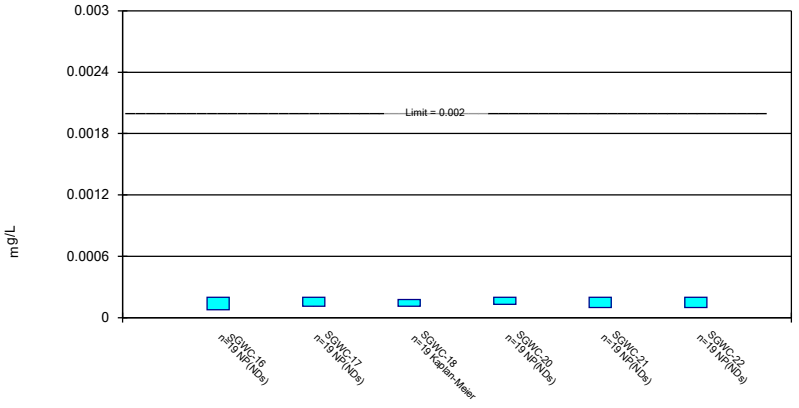


Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

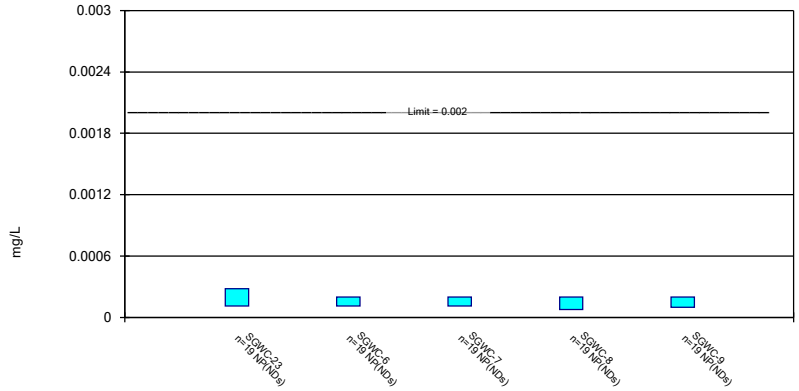


Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

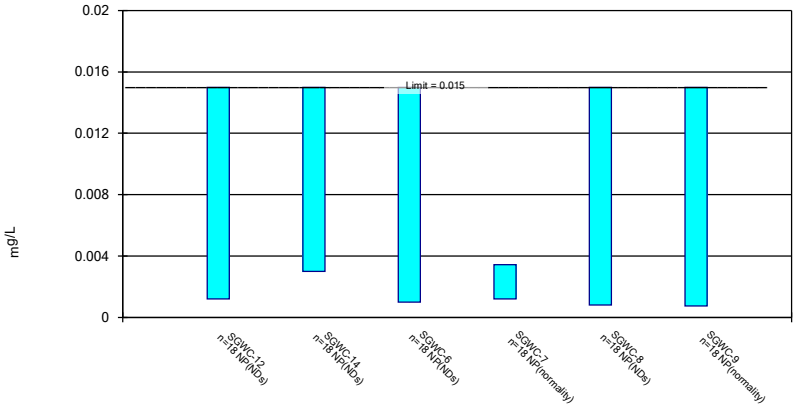


Constituent: Mercury Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

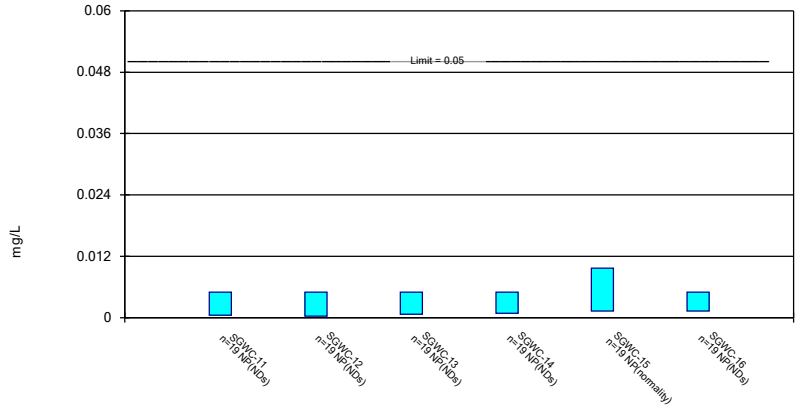
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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.

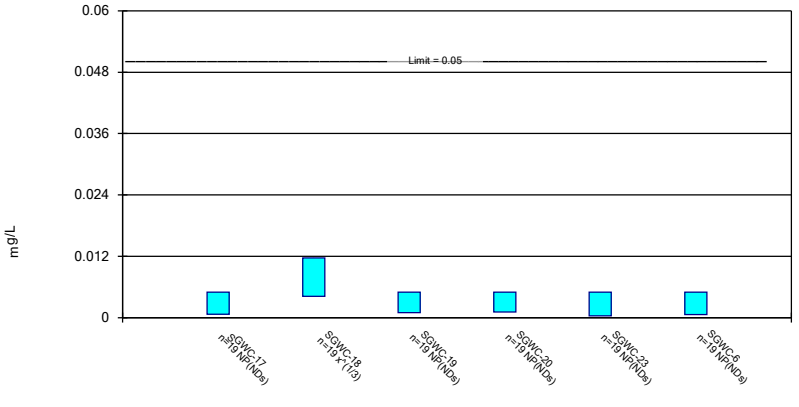


Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

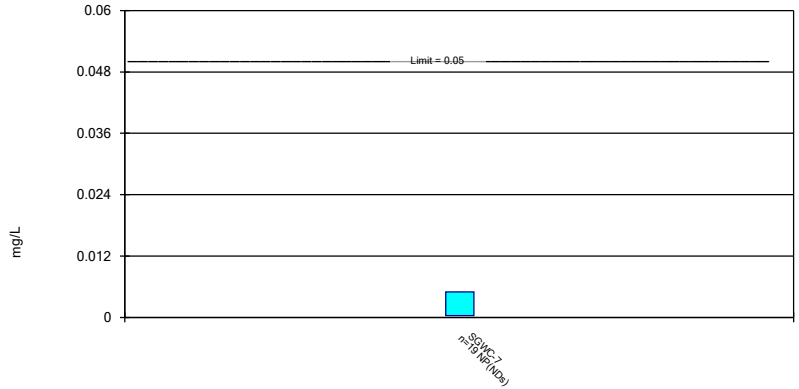


Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

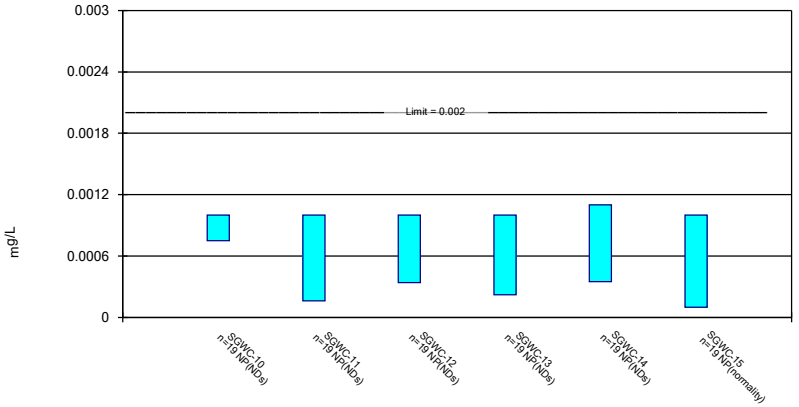


Constituent: Selenium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

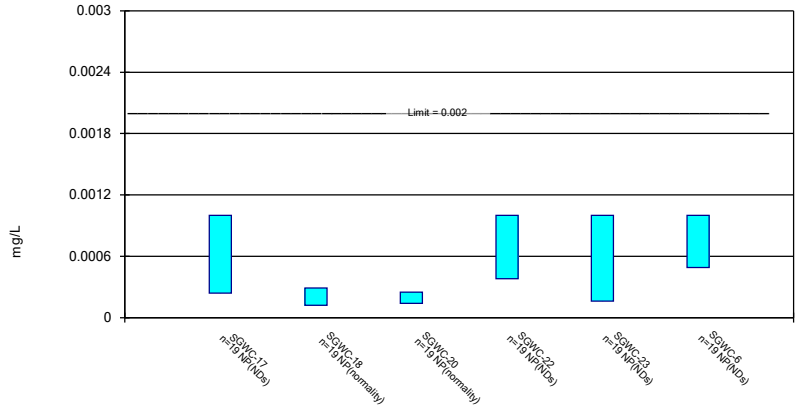
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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.



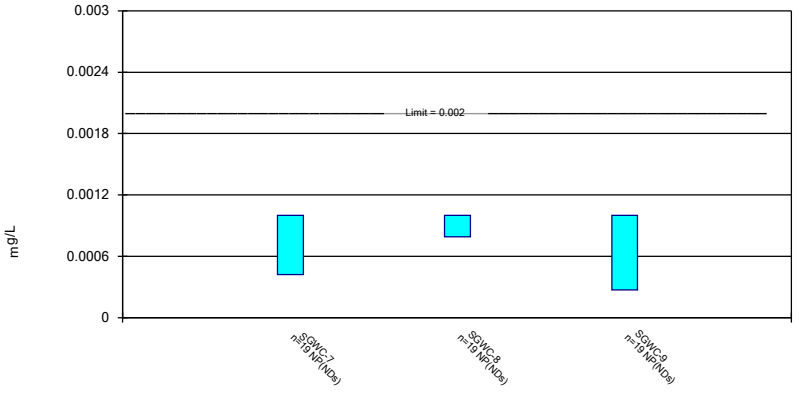
Constituent: Thallium Analysis Run 6/3/2021 11:38 AM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.28 Sanitas software utilized by Groundwater Stats Consulting. UG

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

APPENDIX E

Statistical Analyses August 2021

GROUNDWATER STATS CONSULTING

January 31, 2022

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 – August 2021 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2021 Semi-Annual Groundwater Detection and Assessment Monitoring of groundwater data for Georgia Power Company's Plant Scherer AP. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** SGWA-1, SGWA-2, SGWA-3, SGWA-4, SGWA-5, SGWA-24, and SGWA-25
- **Downgradient wells:** SGWC-6, SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, and SGWC-23

- **Assessment Wells:** PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, and PZ-44I

The assessment wells were first sampled in October 2018 and all data are included on the time series graphs and box plots. These well/constituent pairs were formally evaluated for Appendix IV constituents using confidence intervals when a minimum of 4 samples are available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The CCR program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228 fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of Appendix IV downgradient well/constituent pairs containing 100% non-detects follow this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. This generally gives the most conservative limit in each case. 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 were recommended for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods:

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- Appendix IV: Confidence intervals on downgradient well data compared against Ground Water Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-

normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects 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 – August 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

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2021 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2021 sample from each downgradient well is compared to the background limit to determine whether statistically significant increases (SSIs) are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Several prediction limit exceedances were identified for Appendix III parameters. A summary table of the interwell prediction limits follows this letter and includes a list of exceedances.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (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-8, SGWC-11, and SGWC-18
- Calcium: SGWA-2, SGWA-4, SGWA-24 (all upgradient), SGWC-13, SGWC-17, SGWC-19, SGWC-22
- Chloride: SGWC-9, SGWC-13, SGWC-18, and SGWC-21
- Sulfate: SGWC-8, SGWC-12, SGWC-16, SGWC-17, SGWC-19, SGWC-21, and SGWC-22
- TDS: SGWC-17 and SGWC-22

Decreasing:

- Boron: SGWC-21 and SGWC-23
- Calcium: SGWC-7 and SGWC-23
- Chloride: SGWA-3 (upgradient) and SGWC-7
- Fluoride: SGWC-20
- Sulfate: SGWC-20 and SGWC-23

Statistical Analysis of Appendix IV Parameters – August 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 containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 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.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a).

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 August 2021 sample event (Figure G). Additionally, as mentioned above, no statistical comparisons were required for downgradient wells containing 100% non-detects.

Confidence Intervals

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well. Note that confidence intervals require a minimum of 4 samples and, in many cases, the assessment wells had insufficient samples at this time. The Sanitas software was used to calculate both the tolerance limits and the confidence intervals. Note that for lithium at assessment well PZ-44I, the lower confidence limit resulted in a negative number. Therefore, a non-parametric confidence interval was constructed for this well/constituent pair and may be found at the end of Figures H and I. This is a more conservative approach in that the lower confidence limit reflects the lowest measurement in the data set for that well rather than a negative number.

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

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient trends, it is an indication of natural variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter and statistically significant trends were identified for the following well/constituent pairs:

Increasing

- None

Decreasing

- Cobalt: SGWA-1 (upgradient), SGWA-25 (upgradient), SGWC-11, and SGWC-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer AP. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Andrew Collins
Project Manager

Kristina Rayner
Groundwater Statistician

100% Non-Detects: Appendix IV Downgradient

Analysis Run 11/15/2021 1:26 PM 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-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-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

Appendix III - Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

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-11	0.13	n/a	8/19/2021	0.54	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	8/19/2021	0.59	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	8/19/2021	1.7	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	8/19/2021	1.6	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	8/19/2021	0.72	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	8/18/2021	0.32	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	8/18/2021	6.6	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	8/19/2021	2.1	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	8/19/2021	1.9	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	8/18/2021	1.1	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	8/18/2021	0.44	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	8/18/2021	0.42	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	8/18/2021	0.14	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	8/19/2021	1.5	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	8/20/2021	23	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-13	19	n/a	8/19/2021	20	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	8/19/2021	40	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	8/18/2021	55	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	8/18/2021	55	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	8/19/2021	45	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	8/18/2021	39	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	8/18/2021	30	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	8/18/2021	21	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	8/18/2021	22	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	8/18/2021	49	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	8/19/2021	34	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.047	n/a	8/19/2021	9.3	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.047	n/a	8/19/2021	9.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.047	n/a	8/20/2021	9.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.047	n/a	8/19/2021	12	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.047	n/a	8/19/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.047	n/a	8/19/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.047	n/a	8/19/2021	9.5	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.047	n/a	8/18/2021	8.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.047	n/a	8/18/2021	15	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.047	n/a	8/19/2021	9.4	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.047	n/a	8/19/2021	10	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.047	n/a	8/18/2021	13	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.047	n/a	8/18/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.047	n/a	8/18/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.047	n/a	8/18/2021	5	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.047	n/a	8/18/2021	14	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.047	n/a	8/19/2021	18	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.16	n/a	8/19/2021	0.17	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.16	n/a	8/18/2021	0.19	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.16	n/a	8/18/2021	0.31	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.16	n/a	8/18/2021	0.48	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	8/19/2021	4.63	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	8/18/2021	4.83	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	8/19/2021	4.28	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	8/20/2021	60	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	8/19/2021	82	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	8/19/2021	190	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	8/19/2021	200	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	8/19/2021	38	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	8/18/2021	200	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	8/18/2021	940	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	8/19/2021	280	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	8/19/2021	230	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	8/18/2021	130	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	8/18/2021	110	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	8/18/2021	66	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	8/18/2021	12	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	8/18/2021	78	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	8/19/2021	160	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	8/20/2021	220	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	8/19/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	8/19/2021	370	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	8/19/2021	320	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	8/18/2021	450	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	8/18/2021	1400	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	8/19/2021	440	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	8/19/2021	340	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	8/18/2021	380	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	8/18/2021	260	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	8/18/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	8/18/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	8/18/2021	410	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	8/19/2021	380	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

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	8/19/2021	0.091	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-11**	**0.13**	**n/a**	**8/19/2021**	**0.54**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-12	0.13	n/a	8/20/2021	0.043J	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-13**	**0.13**	**n/a**	**8/19/2021**	**0.59**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-14**	**0.13**	**n/a**	**8/19/2021**	**1.7**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-15**	**0.13**	**n/a**	**8/19/2021**	**1.6**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-16**	**0.13**	**n/a**	**8/19/2021**	**0.72**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-17**	**0.13**	**n/a**	**8/18/2021**	**0.32**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-18**	**0.13**	**n/a**	**8/18/2021**	**6.6**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-19**	**0.13**	**n/a**	**8/19/2021**	**2.1**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-20**	**0.13**	**n/a**	**8/19/2021**	**1.9**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-21**	**0.13**	**n/a**	**8/18/2021**	**1.1**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-22**	**0.13**	**n/a**	**8/18/2021**	**0.44**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-23**	**0.13**	**n/a**	**8/18/2021**	**0.42**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-6	0.13	n/a	8/18/2021	0.08ND	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	8/18/2021	0.047J	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-8**	**0.13**	**n/a**	**8/18/2021**	**0.14**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-9**	**0.13**	**n/a**	**8/19/2021**	**1.5**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Calcium, total (mg/L)	SGWC-10	19	n/a	8/19/2021	0.67	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	8/19/2021	1.9	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-12**	**19**	**n/a**	**8/20/2021**	**23**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-13**	**19**	**n/a**	**8/19/2021**	**20**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-14**	**19**	**n/a**	**8/19/2021**	**40**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-15	19	n/a	8/19/2021	17	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	8/19/2021	1.1	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-17**	**19**	**n/a**	**8/18/2021**	**55**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-18**	**19**	**n/a**	**8/18/2021**	**55**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-19**	**19**	**n/a**	**8/19/2021**	**45**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-20	19	n/a	8/19/2021	12	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-21**	**19**	**n/a**	**8/18/2021**	**39**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-22**	**19**	**n/a**	**8/18/2021**	**30**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-23**	**19**	**n/a**	**8/18/2021**	**21**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-6	19	n/a	8/18/2021	11	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-7**	**19**	**n/a**	**8/18/2021**	**22**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-8**	**19**	**n/a**	**8/18/2021**	**49**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-9**	**19**	**n/a**	**8/19/2021**	**34**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**SGWC-10**	**3.047**	**n/a**	**8/19/2021**	**9.3**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-11**	**3.047**	**n/a**	**8/19/2021**	**9.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-12**	**3.047**	**n/a**	**8/20/2021**	**9.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-13**	**3.047**	**n/a**	**8/19/2021**	**12**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-14**	**3.047**	**n/a**	**8/19/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-15**	**3.047**	**n/a**	**8/19/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-16**	**3.047**	**n/a**	**8/19/2021**	**9.5**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-17**	**3.047**	**n/a**	**8/18/2021**	**8.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-18**	**3.047**	**n/a**	**8/18/2021**	**15**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-19**	**3.047**	**n/a**	**8/19/2021**	**9.4**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-20**	**3.047**	**n/a**	**8/19/2021**	**10**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-21**	**3.047**	**n/a**	**8/18/2021**	**13**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-22**	**3.047**	**n/a**	**8/18/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-23**	**3.047**	**n/a**	**8/18/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	SGWC-6	3.047	n/a	8/18/2021	2.5	No	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	**SGWC-7**	**3.047**	**n/a**	**8/18/2021**	**5**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-8**	**3.047**	**n/a**	**8/18/2021**	**14**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-9**	**3.047**	**n/a**	**8/19/2021**	**18**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 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-10	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.16	n/a	8/20/2021	0.082J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.16	n/a	8/19/2021	0.12	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.16	n/a	8/19/2021	0.038J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.16	n/a	8/18/2021	0.087J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.16	n/a	8/18/2021	0.099J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-19	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-20**	**0.16**	**n/a**	**8/19/2021**	**0.17**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-21	0.16	n/a	8/18/2021	0.12	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.16	n/a	8/18/2021	0.054J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.16	n/a	8/18/2021	0.11	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-6**	**0.16**	**n/a**	**8/18/2021**	**0.19**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-7**	**0.16**	**n/a**	**8/18/2021**	**0.31**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-8**	**0.16**	**n/a**	**8/18/2021**	**0.48**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-9	0.16	n/a	8/19/2021	0.078J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	6.87	5.09	8/19/2021	5.21	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	6.87	5.09	8/19/2021	5.23	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	6.87	5.09	8/20/2021	6.13	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	6.87	5.09	8/19/2021	5.99	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	6.87	5.09	8/19/2021	5.86	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-15**	**6.87**	**5.09**	**8/19/2021**	**4.63**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-16	6.87	5.09	8/19/2021	5.28	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	6.87	5.09	8/18/2021	6.26	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-18**	**6.87**	**5.09**	**8/18/2021**	**4.83**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-19	6.87	5.09	8/19/2021	5.61	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-20**	**6.87**	**5.09**	**8/19/2021**	**4.28**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-21	6.87	5.09	8/18/2021	6.26	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	6.87	5.09	8/18/2021	5.76	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	6.87	5.09	8/18/2021	6.01	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	6.87	5.09	8/18/2021	6.33	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	6.87	5.09	8/18/2021	6.61	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	6.87	5.09	8/18/2021	6.48	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	6.87	5.09	8/19/2021	6.22	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	8/19/2021	2.2	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	8/19/2021	1ND	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-12**	**3.75**	**n/a**	**8/20/2021**	**60**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-13**	**3.75**	**n/a**	**8/19/2021**	**82**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-14**	**3.75**	**n/a**	**8/19/2021**	**190**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-15**	**3.75**	**n/a**	**8/19/2021**	**200**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-16**	**3.75**	**n/a**	**8/19/2021**	**38**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-17**	**3.75**	**n/a**	**8/18/2021**	**200**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-18**	**3.75**	**n/a**	**8/18/2021**	**940**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-19**	**3.75**	**n/a**	**8/19/2021**	**280**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-20**	**3.75**	**n/a**	**8/19/2021**	**230**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-21**	**3.75**	**n/a**	**8/18/2021**	**130**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-22**	**3.75**	**n/a**	**8/18/2021**	**110**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-23**	**3.75**	**n/a**	**8/18/2021**	**66**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	8/18/2021	1ND	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-7**	**3.75**	**n/a**	**8/18/2021**	**12**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-8**	**3.75**	**n/a**	**8/18/2021**	**78**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-9**	**3.75**	**n/a**	**8/19/2021**	**160**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	8/19/2021	54	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	8/19/2021	36	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-12**	**200**	**n/a**	**8/20/2021**	**220**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-13**	**200**	**n/a**	**8/19/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-14**	**200**	**n/a**	**8/19/2021**	**370**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**8/19/2021**	**320**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	8/19/2021	100	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**8/18/2021**	**450**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**8/18/2021**	**1400**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**8/19/2021**	**440**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**8/19/2021**	**340**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**8/18/2021**	**380**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**8/18/2021**	**260**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**8/18/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	8/18/2021	140	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-7**	**200**	**n/a**	**8/18/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**8/18/2021**	**410**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**8/19/2021**	**380**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWC-11	0.05462	121	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5525	98	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.05638	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.03572	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.01033	67	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.4293	80	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5265	75	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.5922	64	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-13	0.8732	83	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.366	113	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.56	93	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.525	98	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.635	-74	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-7	-1.296	-70	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.2358	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	1.028	98	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	1.983	95	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	1.007	101	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.6169	-70	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.578	108	63	Yes	17	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-20	-0.02455	-115	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	6.006	101	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	5.803	130	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	15.14	116	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	11.63	73	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-20	-8.078	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.68	93	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	6	97	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.99	-102	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.367	66	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	26.46	107	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	9.309	67	63	Yes	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-14	-63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	14	63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	7	63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	14	63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-11**	**0.05462**	**121**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-13	-0.005878	-25	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.04279	54	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.02307	-22	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.003767	31	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.01575	23	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-18**	**0.5525**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-19	0.01461	23	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.04643	-34	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-21**	**-0.05638**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-22	0.01518	43	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-23**	**-0.03572**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**SGWC-8**	**0.01033**	**67**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-9	0	-10	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.1261	-56	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-2 (bg)**	**0.4293**	**80**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWA-24 (bg)**	**0.5265**	**75**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-25 (bg)	-0.2935	-48	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	0.0517	8	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-4 (bg)**	**0.5922**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-5 (bg)	0.03968	37	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	20	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-13**	**0.8732**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-14	0.6794	51	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-17**	**4.366**	**113**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-18	4.7	31	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-19**	**2.56**	**93**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-21	1.832	60	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-22**	**1.525**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-23**	**-1.635**	**-74**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-7**	**-1.296**	**-70**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-8	0.7204	44	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-1.008	-29	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.02884	-22	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	0	-14	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0.0478	19	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0.0427	12	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWA-3 (bg)**	**-0.2358**	**-73**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWA-4 (bg)	0	-5	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	0	-7	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0.08387	16	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1559	55	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-13**	**1.028**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-14	0	-9	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.1139	43	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.1862	53	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-17	0	-5	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	**SGWC-18**	**1.983**	**95**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-19	0	-3	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-21**	**1.007**	**101**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-22	0.03224	35	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.1586	44	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-7**	**-0.6169**	**-70**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-8	-0.1508	-27	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-9**	**1.578**	**108**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	SGWA-1 (bg)	0	-20	-87	No	21	95.24	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.003284	-61	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.005442	-65	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.001763	-57	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-3 (bg)	0	6	87	No	21	71.43	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.005108	-85	-87	No	21	42.86	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-5 (bg)	0	-9	-87	No	21	85.71	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**SGWC-20**	**-0.02455**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	SGWC-6	-0.002476	-17	-87	No	21	14.29	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.008094	-41	-87	No	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.01971	-60	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.03893	-69	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	0	2	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.01239	41	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.02115	-78	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02594	58	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01681	-50	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0	2	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01385	-25	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02589	63	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005014	-12	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	0	8	63	No	17	29.41	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	16	63	No	17	70.59	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	5	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	18	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1506	-57	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1442	-61	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-5 (bg)	0	21	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-12**	**6.006**	**101**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-13	1.52	36	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-25	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	13	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-16**	**5.803**	**130**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-17**	**15.14**	**116**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-18	98.79	49	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-19**	**11.63**	**73**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-20**	**-8.078**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-21**	**10.68**	**93**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-22**	**6**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-23**	**-11.99**	**-102**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-7	-1.112	-56	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-8**	**2.367**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-9	-5.431	-22	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-5.191	-38	-63	No	17	5.882	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	11	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	-2	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-3.668	-37	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	2.84	15	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	8.713	60	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-4.996	-48	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	1.391	27	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	6.229	47	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	3.946	27	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	4.125	31	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**26.46**	**107**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	178.8	51	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	15.37	44	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-4.859	-18	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	6.626	24	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**9.309**	**67**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-15.3	-60	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	-7.62	-63	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-2.673	-25	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-8.624	-25	-63	No	17	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:22 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0021	n/a	n/a	n/a	105	n/a	n/a	94.29	n/a	n/a	0.004581	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0015	n/a	n/a	n/a	140	n/a	n/a	85.71	n/a	n/a	0.0007609	NP Inter(NDs)
Barium (mg/L)	n/a	0.071	n/a	n/a	n/a	140	n/a	n/a	0	n/a	n/a	0.0007609	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	140	n/a	n/a	94.29	n/a	n/a	0.0007609	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	133	n/a	n/a	98.5	n/a	n/a	0.00109	NP Inter(NDs)
Chromium (mg/L)	n/a	0.021	n/a	n/a	n/a	147	n/a	n/a	31.97	n/a	n/a	0.0005313	NP Inter(normality)
Cobalt (mg/L)	n/a	0.02	n/a	n/a	n/a	140	n/a	n/a	62.14	n/a	n/a	0.0007609	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.54	n/a	n/a	n/a	140	n/a	n/a	0	n/a	n/a	0.0007609	NP Inter(normality)
Fluoride, total (mg/L)	n/a	0.16	n/a	n/a	n/a	147	n/a	n/a	62.59	n/a	n/a	0.0005313	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	140	n/a	n/a	93.57	n/a	n/a	0.0007609	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	140	n/a	n/a	92.86	n/a	n/a	0.0007609	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	142	n/a	n/a	90.85	n/a	n/a	0.0006867	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	133	n/a	n/a	90.98	n/a	n/a	0.00109	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	140	n/a	n/a	90.71	n/a	n/a	0.0007609	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	140	n/a	n/a	91.43	n/a	n/a	0.0007609	NP Inter(NDs)

SCHERER ASH POND GWPS					
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**Federal GWPS**	**State GWPS**
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		1.54	5	5
Fluoride, Total (mg/L)	4		0.16	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 Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	14	0.001957	0.0001604	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	13	0.001938	0.0002219	92.31	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	20	0.0009415	0.0001482	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	20	0.001006	0.0001016	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	20	0.0008885	0.0002485	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	20	0.000972	0.0001679	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	20	0.0009725	0.000183	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001349	0.0008753	0.01	No	20	0.001229	0.000458	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	20	0.000921	0.0001971	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	20	0.0009088	0.0001819	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003121	0.001764	0.01	No	20	0.002443	0.001195	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	20	0.000963	0.000115	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	20	0.0008515	0.0003339	45	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	20	0.000988	0.00005367	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	20	0.000909	0.0002133	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	20	0.00097	0.00009684	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	20	0.000925	0.0001853	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	20	0.000884	0.0001979	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	20	0.0008885	0.0002102	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	20	0.000864	0.0002204	55	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03251	0.02796	2	No	20	0.03024	0.004011	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04264	0.03799	2	No	20	0.04032	0.004089	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.051	0.03945	2	No	20	0.04523	0.01016	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.0347	0.02746	2	No	20	0.03108	0.006367	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.0592	0.05098	2	No	20	0.05509	0.00723	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0384	0.03225	2	No	20	0.03533	0.00542	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.02616	0.02002	2	No	20	0.02309	0.0054	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02232	0.01906	2	No	20	0.02069	0.002867	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02466	0.01617	2	No	20	0.02042	0.007481	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-19	0.04073	0.03349	2	No	20	0.03711	0.006369	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03404	0.02528	2	No	20	0.02966	0.007716	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	20	0.09954	0.01306	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09101	0.0807	2	No	20	0.08586	0.009076	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.0842	0.06916	2	No	20	0.07668	0.01325	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1079	0.0659	2	No	20	0.08692	0.037	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2982	0.2566	2	No	20	0.2774	0.03658	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	20	0.1818	0.02052	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06715	0.05514	2	No	20	0.06115	0.01058	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	20	0.002388	0.0005009	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	20	0.002286	0.0006593	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	20	0.0007245	0.0007681	15	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	20	0.002389	0.0004964	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	20	0.001313	0.001102	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	20	0.00192	0.00103	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008183	0.0006639	0.004	No	20	0.0007411	0.000136	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	20	0.002391	0.0004852	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	20	0.002385	0.0005143	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	20	0.002274	0.0006943	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	19	0.002274	0.0006808	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	19	0.001239	0.001106	42.11	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	19	0.001786	0.00108	68.42	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	19	0.002387	0.0004909	94.74	None	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	19	0.002248	0.0007555	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	19	0.002389	0.0004841	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	19	0.002385	0.0005024	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	20	0.002015	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	20	0.001985	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	20	0.001865	0.0003897	70	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.035	0.03254	0.1	No	20	0.03377	0.002167	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01167	0.009711	0.1	No	20	0.01069	0.001727	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007158	0.004277	0.1	No	20	0.005718	0.002536	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01027	0.007378	0.1	No	20	0.008991	0.002916	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01578	0.01434	0.1	No	20	0.01506	0.001272	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	20	0.001955	0.0002523	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	20	0.001925	0.0002268	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	20	0.00185	0.0004249	65	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001751	0.001307	0.1	No	20	0.001825	0.0003654	45	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	20	0.00203	0.0001342	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	20	0.00186	0.0004394	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003968	0.00253	0.02	No	20	0.003249	0.001267	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006948	0.003095	0.02	No	20	0.005395	0.003746	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.0114	0.006817	0.02	No	20	0.009108	0.004034	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004281	0.003492	0.02	No	20	0.003887	0.0006948	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	20	0.0009142	0.0008249	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	20	0.001458	0.001091	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	20	0.00156	0.001181	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003459	0.00185	0.02	No	20	0.002655	0.001416	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	20	0.002381	0.0005299	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002257	0.0008752	0.02	No	20	0.001997	0.001173	35	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01068	0.005272	0.02	No	20	0.007975	0.00476	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	20	0.001882	0.001008	65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01235	0.006043	0.02	No	20	0.009195	0.005551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	20	0.2763	0.3592	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.515	0.1699	5	No	20	0.3425	0.3039	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4228	0.1448	5	No	20	0.2838	0.2448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4353	0.1591	5	No	20	0.2972	0.2432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3384	0.0401	5	No	20	0.1893	0.2627	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4656	0.2419	5	No	20	0.3538	0.1969	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3347	0.08673	5	No	20	0.2107	0.2184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4174	0.1684	5	No	20	0.2929	0.2192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	20	0.3893	0.3538	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.396	0.11	5	No	20	0.2736	0.3561	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.602	0.2782	5	No	20	0.4401	0.2852	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.514	0.216	5	No	20	0.4276	0.3703	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4627	0.1214	5	No	20	0.3456	0.4239	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6595	0.4047	5	No	20	0.5321	0.2243	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3958	0.1339	5	No	20	0.2648	0.2306	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5283	0.3051	5	No	20	0.4167	0.1965	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.54	2.043	5	No	20	2.292	0.4381	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3732	0.1226	5	No	20	0.2479	0.2207	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	21	0.09033	0.02467	85.71	None	No	0.01	NP (NDs)

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	21	0.09386	0.01712	85.71	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.0991	0.06343	4	No	21	0.09019	0.03143	19.05	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	21	0.08843	0.02934	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	21	0.08076	0.03133	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	21	0.14	0.05537	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	21	0.08586	0.02912	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07263	0.04436	4	No	21	0.07976	0.03333	42.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	21	0.09468	0.02921	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	21	0.0976	0.02808	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2561	0.1829	4	No	21	0.2228	0.07223	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09281	0.06581	4	No	21	0.0911	0.02457	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	21	0.08814	0.02548	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	21	0.07705	0.0275	42.86	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1395	0.1002	4	No	21	0.1216	0.03803	14.29	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2324	0.1814	4	No	21	0.2069	0.04616	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4611	0.3639	4	No	21	0.4125	0.08814	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.0808	0.05677	4	No	21	0.08348	0.02388	42.86	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	20	0.00087	0.0003175	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	20	0.0009695	0.0001364	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	20	0.000941	0.0001989	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	20	0.0009615	0.0001722	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	20	0.0009565	0.0001945	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	20	0.0009585	0.0001856	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.015	No	20	0.00095	0.0001683	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.015	No	20	0.0006125	0.0003667	45	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.015	No	20	0.000804	0.0003526	75	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	20	0.000834	0.0003407	80	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	20	0.0009545	0.0002035	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.015	No	20	0.00096	0.0001789	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	20	0.000907	0.0002627	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	20	0.0009455	0.0001761	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.04	No	20	0.00419	0.001337	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.04	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.04	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.04	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	20	0.004235	0.0009371	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.04	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004799	0.003991	0.04	No	20	0.0047	0.0006497	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.04	No	20	0.004715	0.0008774	90	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004852	0.004033	0.04	No	19	0.004442	0.0006995	5.263	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	20	0.004485	0.001141	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	20	0.0046	0.001043	85	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.04	No	20	0.00433	0.0008609	50	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005325	0.004212	0.04	No	19	0.004768	0.0009511	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.04	No	20	0.004225	0.001388	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	20	0.0001965	0.00001565	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	20	0.0001946	0.00002393	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	20	0.0001854	0.0000359	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	20	0.0001558	0.00004458	40	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	20	0.0001895	0.000028	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001748	0.0001126	0.002	No	20	0.0001778	0.00004703	25	Kaplan-Meier	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	20	0.0001842	0.00003973	85	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	20	0.0001949	0.00002258	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	20	0.0001885	0.0000439	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.1	No	19	0.01354	0.004367	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.1	No	19	0.01362	0.004145	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.1	No	19	0.01351	0.004463	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0013	0.1	No	19	0.004612	0.005563	21.05	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.1	No	19	0.01425	0.003258	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.1	No	19	0.008377	0.007179	52.63	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	20	0.004773	0.001015	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	20	0.004765	0.001049	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	20	0.004547	0.001395	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	20	0.004575	0.001308	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	20	0.004105	0.00264	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0014	0.05	No	20	0.003876	0.001781	70	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	20	0.004308	0.001692	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01166	0.004039	0.05	No	20	0.00881	0.00815	5	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	20	0.004354	0.001578	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	20	0.003917	0.001858	65	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	20	0.00429	0.001734	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	20	0.004311	0.001682	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	20	0.004767	0.001042	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	20	0.0009045	0.0002583	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	20	0.0009155	0.0002601	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	20	0.0009285	0.0002208	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	20	0.000961	0.0001744	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	20	0.00089	0.0002858	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	20	0.0005427	0.0004335	45	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	20	0.000962	0.0001699	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.0003079	0.0001496	0.002	No	20	0.0002708	0.0002346	5	None	ln(x)	0.01	Param.
Thallium (mg/L)	SGWC-20	0.00021	0.00016	0.002	No	20	0.000226	0.0001903	5	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	20	0.000969	0.0001386	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	20	0.000958	0.0001878	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	20	0.0008585	0.0002956	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	20	0.000932	0.0002118	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	20	0.0008715	0.0002875	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	20	0.0009335	0.0002058	90	None	No	0.01	NP (NDs)

State Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	14	0.001957	0.0001604	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	13	0.001938	0.0002219	92.31	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	20	0.0009415	0.0001482	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	20	0.001006	0.0001016	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	20	0.0008885	0.0002485	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	20	0.000972	0.0001679	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	20	0.0009725	0.000183	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001349	0.0008753	0.01	No	20	0.001229	0.000458	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	20	0.000921	0.0001971	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	20	0.0009088	0.0001819	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003121	0.001764	0.01	No	20	0.002443	0.001195	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	20	0.000963	0.000115	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	20	0.0008515	0.0003339	45	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	20	0.000988	0.00005367	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	20	0.000909	0.0002133	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	20	0.00097	0.00009684	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	20	0.000925	0.0001853	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	20	0.000884	0.0001979	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	20	0.0008885	0.0002102	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	20	0.000864	0.0002204	55	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03251	0.02796	2	No	20	0.03024	0.004011	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04264	0.03799	2	No	20	0.04032	0.004089	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.051	0.03945	2	No	20	0.04523	0.01016	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.0347	0.02746	2	No	20	0.03108	0.006367	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.0592	0.05098	2	No	20	0.05509	0.00723	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0384	0.03225	2	No	20	0.03533	0.00542	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.02616	0.02002	2	No	20	0.02309	0.0054	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02232	0.01906	2	No	20	0.02069	0.002867	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02466	0.01617	2	No	20	0.02042	0.007481	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-19	0.04073	0.03349	2	No	20	0.03711	0.006369	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03404	0.02528	2	No	20	0.02966	0.007716	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	20	0.09954	0.01306	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09101	0.0807	2	No	20	0.08586	0.009076	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.0842	0.06916	2	No	20	0.07668	0.01325	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1079	0.0659	2	No	20	0.08692	0.037	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2982	0.2566	2	No	20	0.2774	0.03658	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	20	0.1818	0.02052	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06715	0.05514	2	No	20	0.06115	0.01058	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	20	0.002388	0.0005009	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	20	0.002286	0.0006593	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	20	0.0007245	0.0007681	15	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	20	0.002389	0.0004964	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	20	0.001313	0.001102	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	20	0.00192	0.00103	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008183	0.0006639	0.004	No	20	0.0007411	0.000136	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	20	0.002391	0.0004852	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	20	0.002385	0.0005143	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	20	0.002274	0.0006943	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	19	0.002274	0.0006808	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	19	0.001239	0.001106	42.11	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	19	0.001786	0.00108	68.42	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	19	0.002387	0.0004909	94.74	None	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	19	0.002248	0.0007555	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	19	0.002389	0.0004841	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	19	0.002385	0.0005024	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	20	0.002015	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	20	0.001985	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	20	0.001865	0.0003897	70	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.035	0.03254	0.1	No	20	0.03377	0.002167	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01167	0.009711	0.1	No	20	0.01069	0.001727	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007158	0.004277	0.1	No	20	0.005718	0.002536	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01027	0.007378	0.1	No	20	0.008991	0.002916	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01578	0.01434	0.1	No	20	0.01506	0.001272	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	20	0.001955	0.0002523	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	20	0.001925	0.0002268	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	20	0.00185	0.0004249	65	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001751	0.001307	0.1	No	20	0.001825	0.0003654	45	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	20	0.00203	0.0001342	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	20	0.00186	0.0004394	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003968	0.00253	0.02	No	20	0.003249	0.001267	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006948	0.003095	0.02	No	20	0.005395	0.003746	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.0114	0.006817	0.02	No	20	0.009108	0.004034	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004281	0.003492	0.02	No	20	0.003887	0.0006948	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	20	0.0009142	0.0008249	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	20	0.001458	0.001091	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	20	0.00156	0.001181	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003459	0.00185	0.02	No	20	0.002655	0.001416	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	20	0.002381	0.0005299	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002257	0.0008752	0.02	No	20	0.001997	0.001173	35	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01068	0.005272	0.02	No	20	0.007975	0.00476	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	20	0.001882	0.001008	65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01235	0.006043	0.02	No	20	0.009195	0.005551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	20	0.2763	0.3592	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.515	0.1699	5	No	20	0.3425	0.3039	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4228	0.1448	5	No	20	0.2838	0.2448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4353	0.1591	5	No	20	0.2972	0.2432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3384	0.0401	5	No	20	0.1893	0.2627	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4656	0.2419	5	No	20	0.3538	0.1969	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3347	0.08673	5	No	20	0.2107	0.2184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4174	0.1684	5	No	20	0.2929	0.2192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	20	0.3893	0.3538	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.396	0.11	5	No	20	0.2736	0.3561	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.602	0.2782	5	No	20	0.4401	0.2852	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.514	0.216	5	No	20	0.4276	0.3703	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4627	0.1214	5	No	20	0.3456	0.4239	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6595	0.4047	5	No	20	0.5321	0.2243	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3958	0.1339	5	No	20	0.2648	0.2306	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5283	0.3051	5	No	20	0.4167	0.1965	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.54	2.043	5	No	20	2.292	0.4381	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3732	0.1226	5	No	20	0.2479	0.2207	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	21	0.09033	0.02467	85.71	None	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	21	0.09386	0.01712	85.71	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.0991	0.06343	4	No	21	0.09019	0.03143	19.05	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	21	0.08843	0.02934	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	21	0.08076	0.03133	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	21	0.14	0.05537	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	21	0.08586	0.02912	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07263	0.04436	4	No	21	0.07976	0.03333	42.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	21	0.09468	0.02921	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	21	0.0976	0.02808	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2561	0.1829	4	No	21	0.2228	0.07223	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09281	0.06581	4	No	21	0.0911	0.02457	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	21	0.08814	0.02548	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	21	0.07705	0.0275	42.86	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1395	0.1002	4	No	21	0.1216	0.03803	14.29	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2324	0.1814	4	No	21	0.2069	0.04616	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4611	0.3639	4	No	21	0.4125	0.08814	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.0808	0.05677	4	No	21	0.08348	0.02388	42.86	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	20	0.00087	0.0003175	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	20	0.0009695	0.0001364	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	20	0.000941	0.0001989	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	20	0.0009615	0.0001722	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	20	0.0009565	0.0001945	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	20	0.0009585	0.0001856	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.001	No	20	0.00095	0.0001683	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	20	0.0006125	0.0003667	45	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.001	No	20	0.000804	0.0003526	75	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	20	0.000834	0.0003407	80	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	20	0.0009545	0.0002035	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	20	0.00096	0.0001789	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	20	0.000907	0.0002627	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	20	0.0009455	0.0001761	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.005	No	20	0.00419	0.001337	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	20	0.004235	0.0009371	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004799	0.003991	0.005	No	20	0.0047	0.0006497	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.005	No	20	0.004715	0.0008774	90	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004852	0.004033	0.005	No	19	0.004442	0.0006995	5.263	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	20	0.004485	0.001141	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	20	0.0046	0.001043	85	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.005	No	20	0.00433	0.0008609	50	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005325	0.004212	0.005	No	19	0.004768	0.0009511	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.005	No	20	0.004225	0.001388	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	20	0.0001965	0.00001565	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	20	0.0001946	0.00002393	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	20	0.0001854	0.0000359	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	20	0.0001558	0.00004458	40	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	20	0.0001895	0.000028	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001748	0.0001126	0.002	No	20	0.0001778	0.00004703	25	Kaplan-Meier	No	0.01	Param.

State Confidence Intervals - All Results

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	20	0.0001842	0.00003973	85	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	20	0.0001949	0.00002258	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	20	0.0001885	0.0000439	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	19	0.01354	0.004367	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	19	0.01362	0.004145	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	19	0.01351	0.004463	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0013	0.015	No	19	0.004612	0.005563	21.05	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	19	0.01425	0.003258	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.015	No	19	0.008377	0.007179	52.63	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	20	0.004773	0.001015	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	20	0.004765	0.001049	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	20	0.004547	0.001395	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	20	0.004575	0.001308	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	20	0.004105	0.00264	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0014	0.05	No	20	0.003876	0.001781	70	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	20	0.004308	0.001692	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01166	0.004039	0.05	No	20	0.00881	0.00815	5	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	20	0.004354	0.001578	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	20	0.003917	0.001858	65	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	20	0.00429	0.001734	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	20	0.004311	0.001682	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	20	0.004767	0.001042	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	20	0.0009045	0.0002583	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	20	0.0009155	0.0002601	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	20	0.0009285	0.0002208	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	20	0.000961	0.0001744	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	20	0.00089	0.0002858	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	20	0.0005427	0.0004335	45	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	20	0.000962	0.0001699	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.0003079	0.0001496	0.002	No	20	0.0002708	0.0002346	5	None	ln(x)	0.01	Param.
Thallium (mg/L)	SGWC-20	0.00021	0.00016	0.002	No	20	0.000226	0.0001903	5	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	20	0.000969	0.0001386	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	20	0.000958	0.0001878	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	20	0.0008585	0.0002956	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	20	0.000932	0.0002118	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	20	0.0008715	0.0002875	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	20	0.0009335	0.0002058	90	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 12/13/2021, 10:05 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003452**	**-134**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.002372**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.003186**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.02466**	**-109**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix IV Trend Tests - All Results

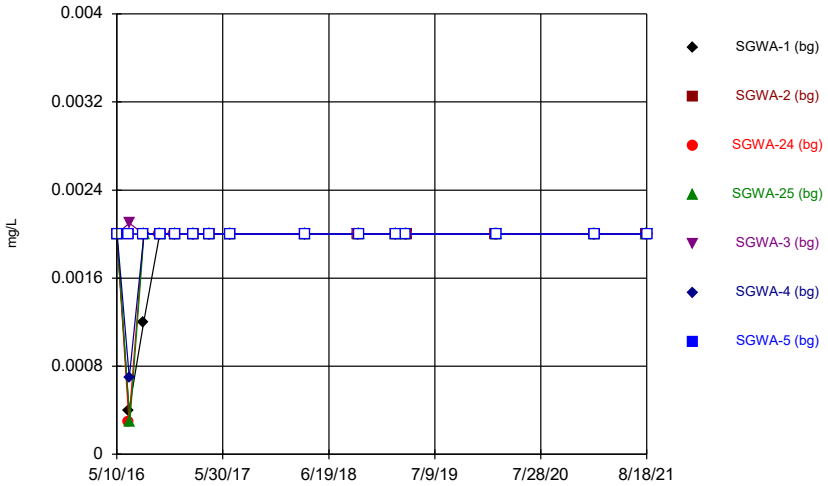
Plant Scherer Client: Southern Company Data: Scherer AP Printed 12/13/2021, 10:05 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003452**	**-134**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	-1	-81	No	20	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	-39	-81	No	20	60	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.002372**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-3 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	3	81	No	20	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-10	0	7	81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-11**	**-0.003186**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWC-15	0	5	81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-18	-0.0002105	-9	-81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-20**	**-0.02466**	**-109**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

FIGURE A.

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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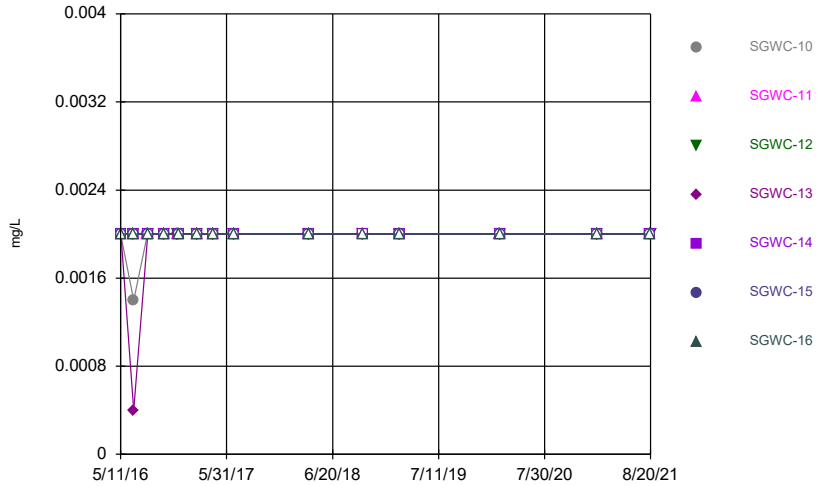

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Plant Scherer Client: Southern Company Data: Scherer AP

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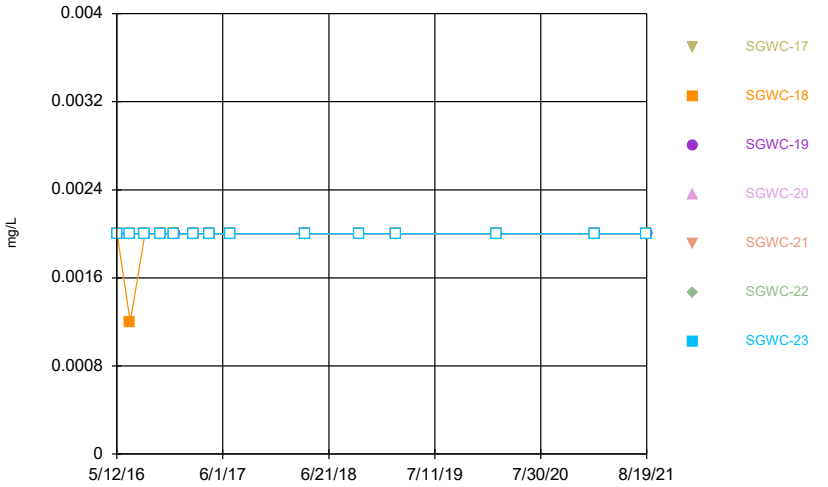

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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
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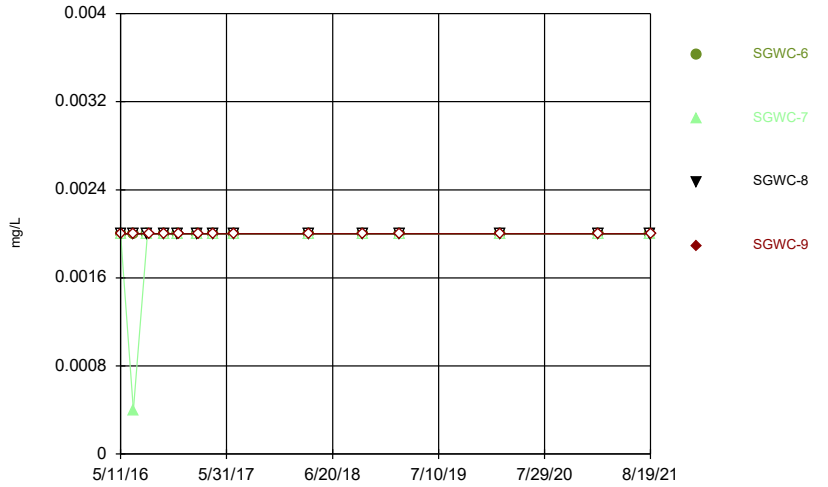

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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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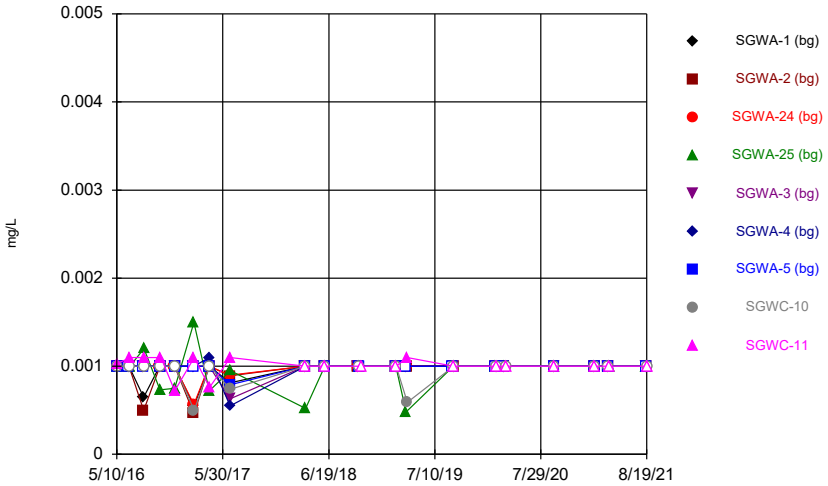

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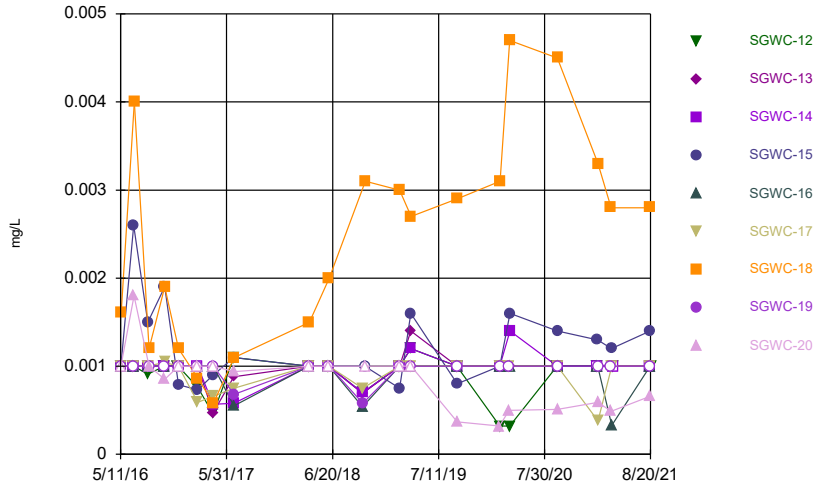
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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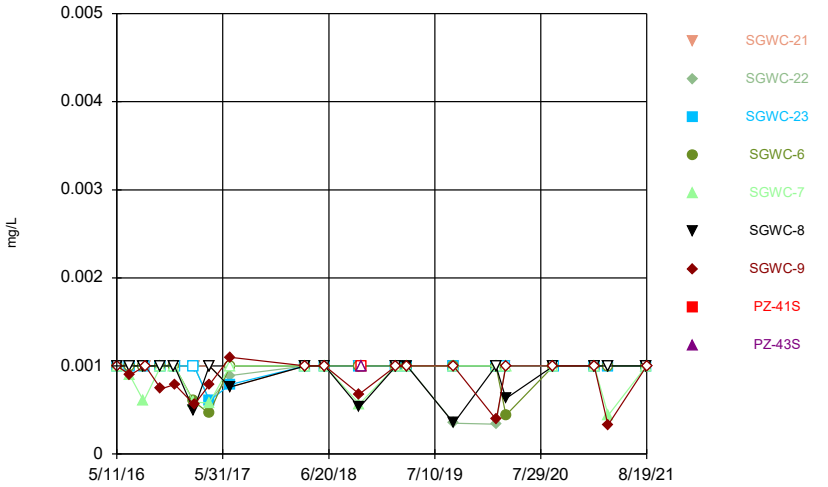

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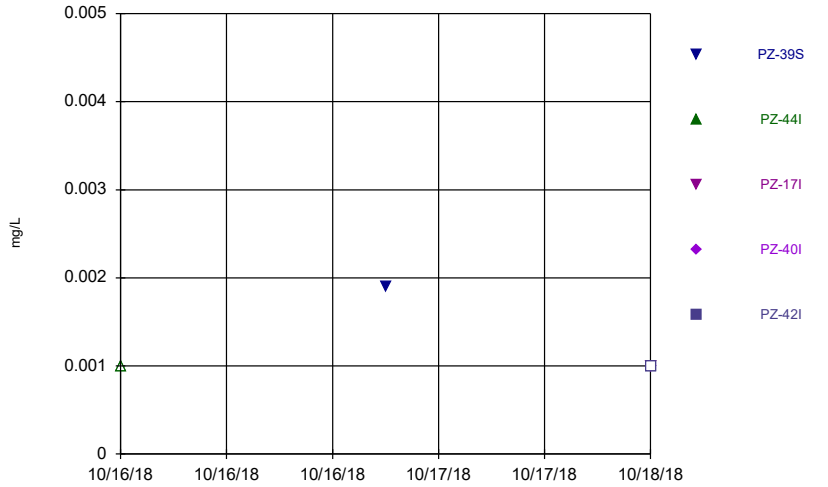
Time Series



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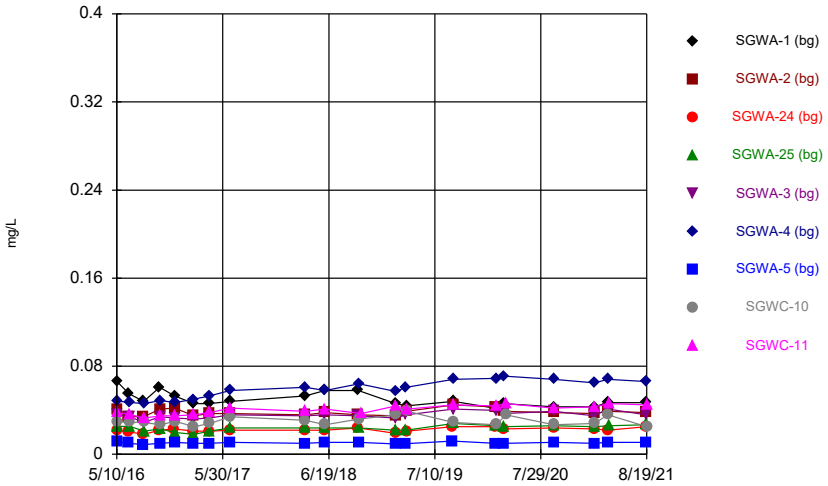
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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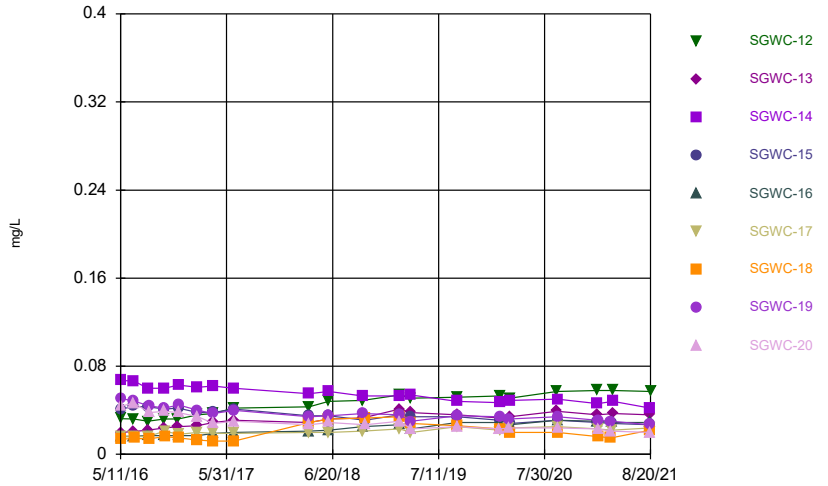
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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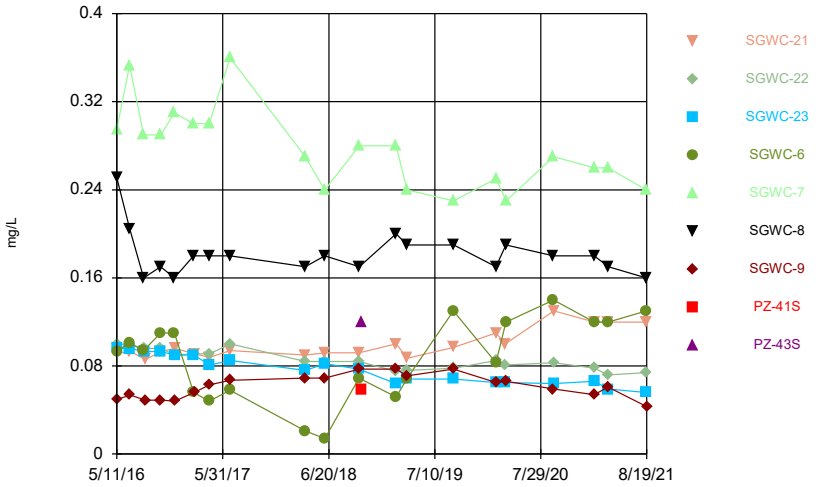
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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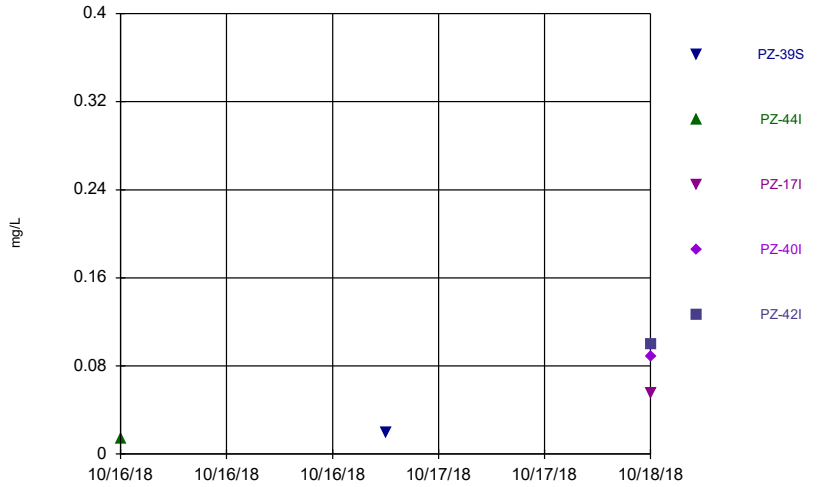
Time Series



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Plant Scherer Client: Southern Company Data: Scherer AP

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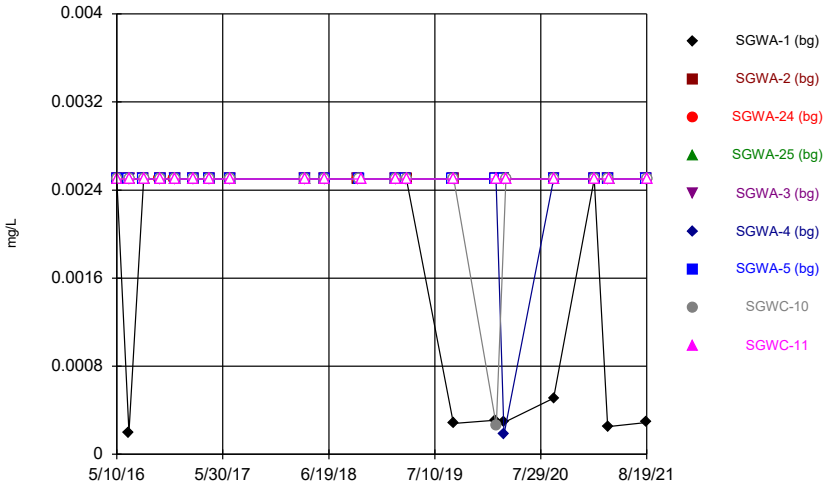

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Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
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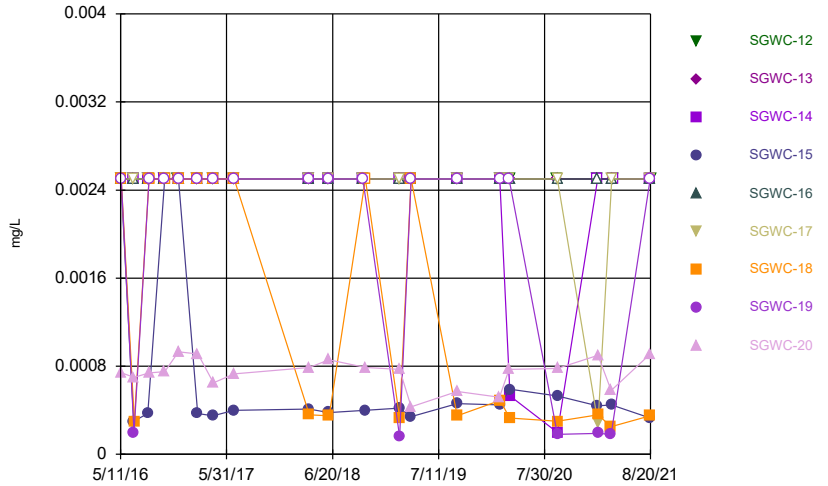

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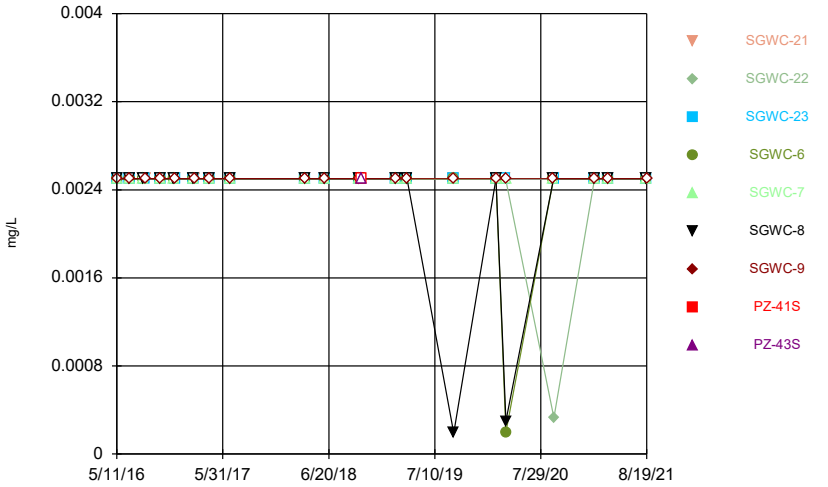

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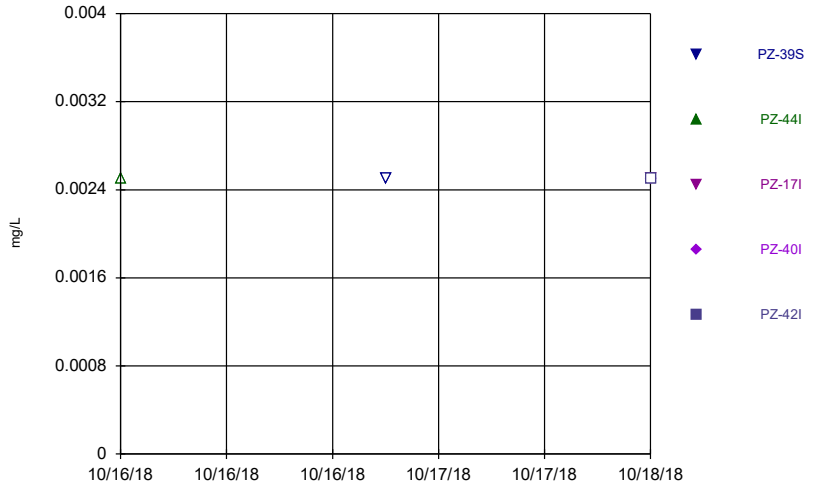

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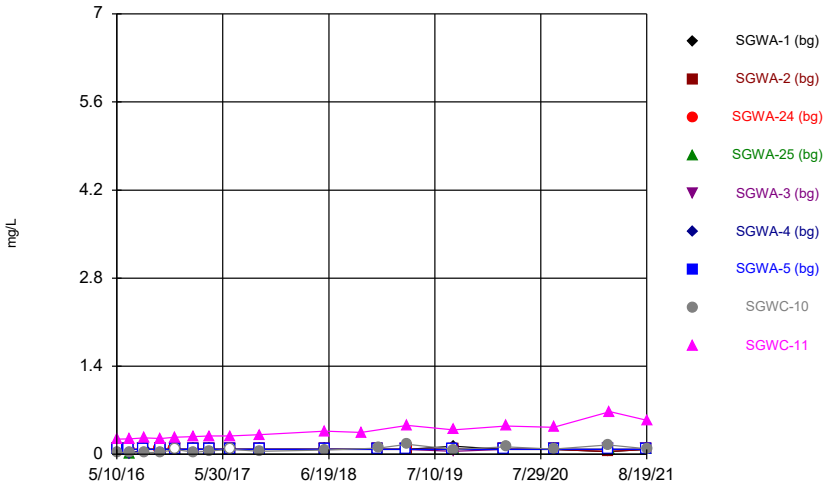

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Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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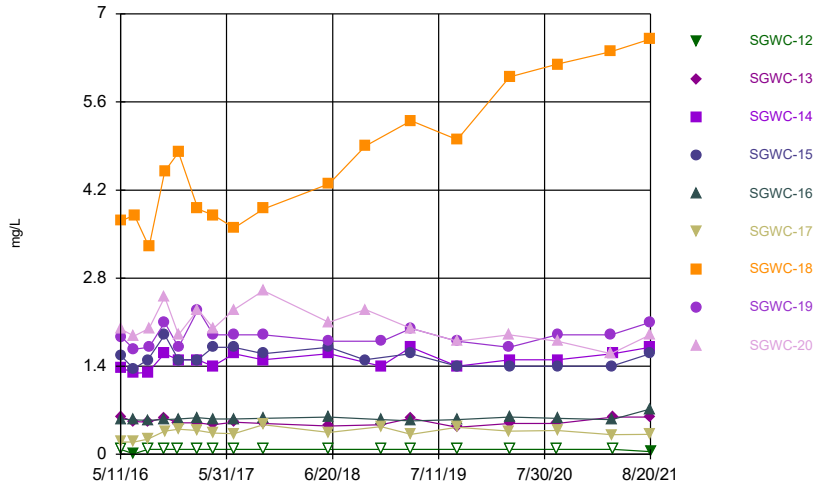

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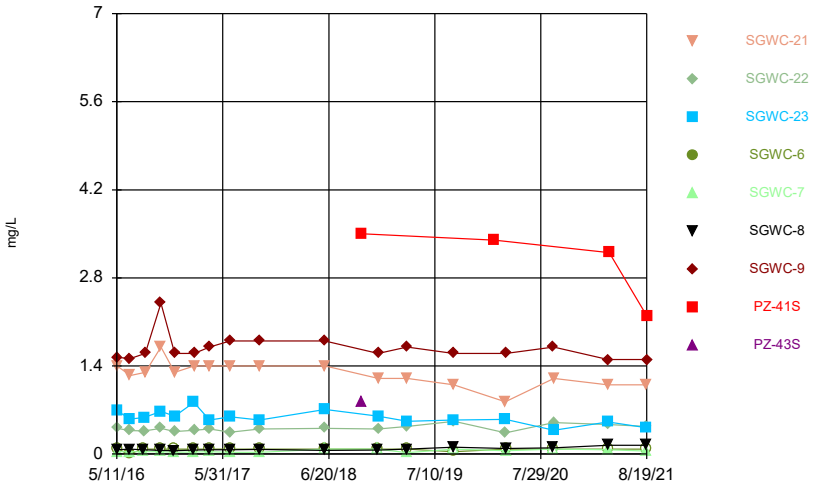

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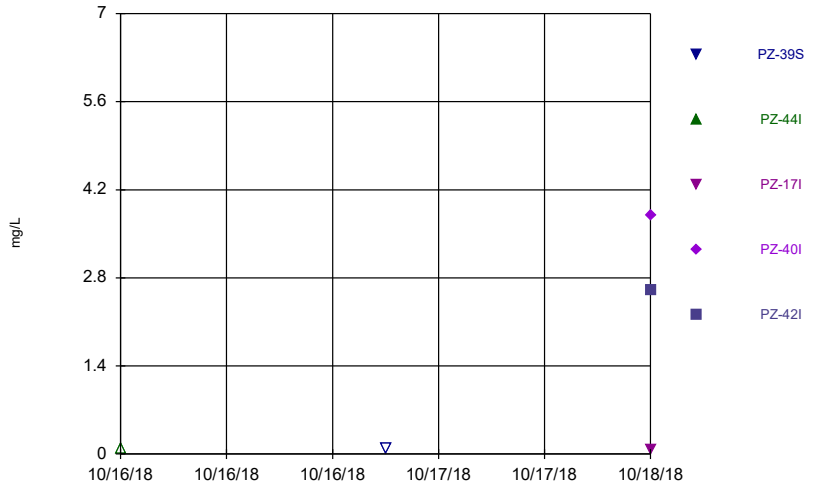

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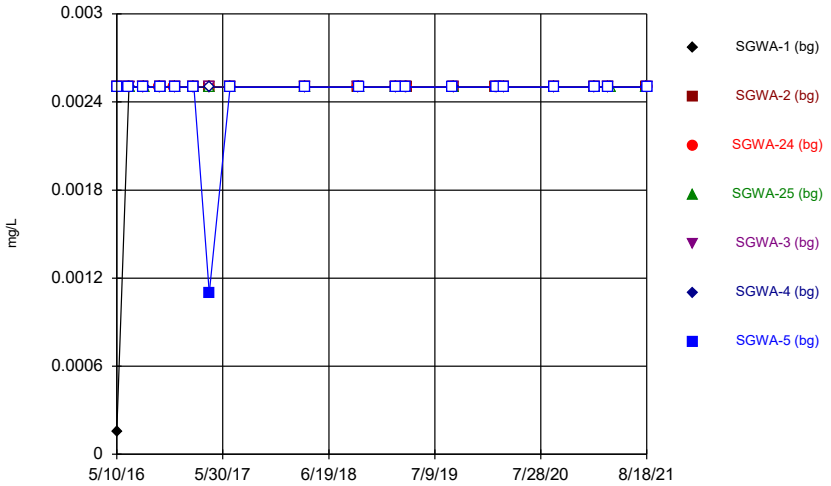
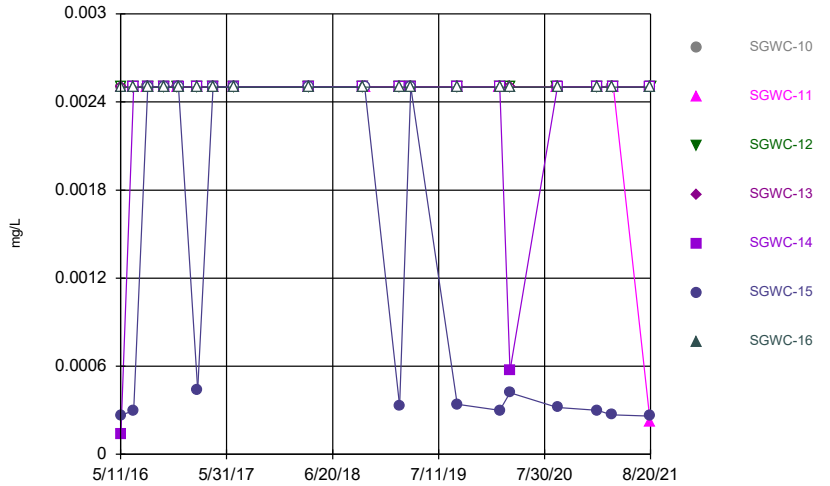


Constituent: Cadmium Analysis Run 12/14/2021 9:01 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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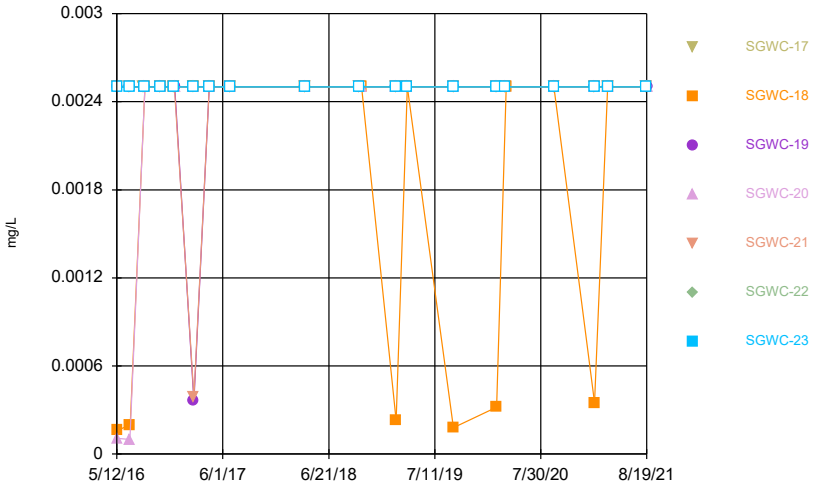
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Analysis Run 12/14/2021 9:01 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
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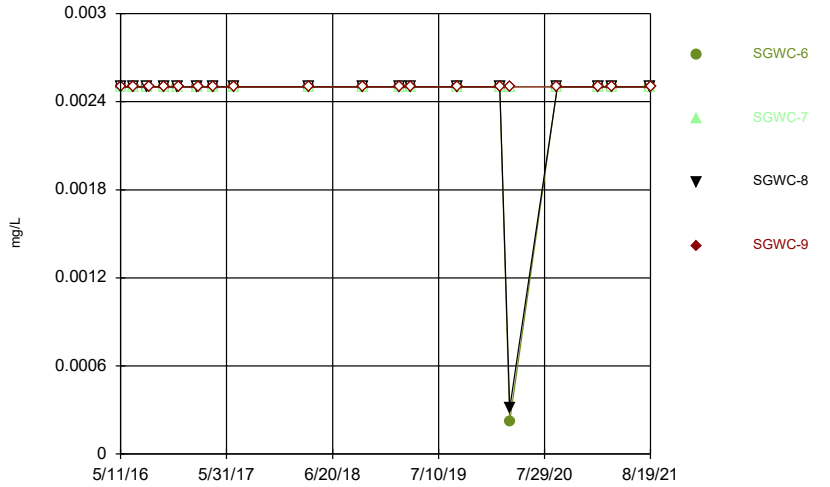
Time Series



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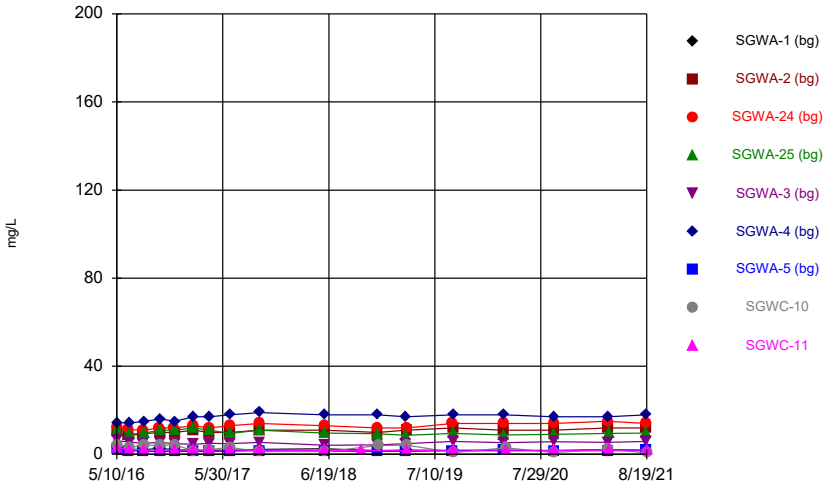
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

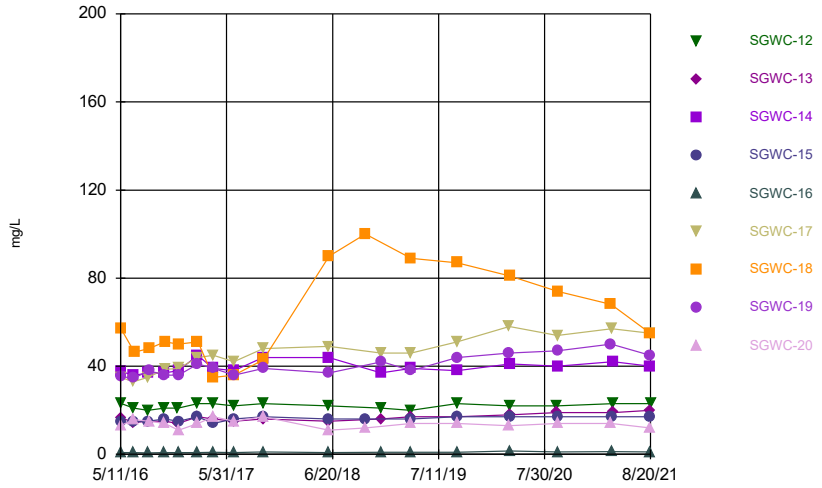
Time Series



Constituent: Calcium, total Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

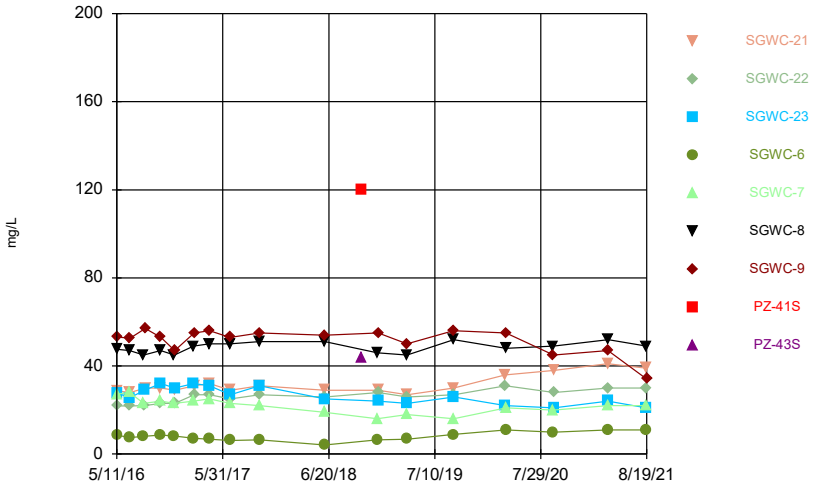
Time Series



Constituent: Calcium, total Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

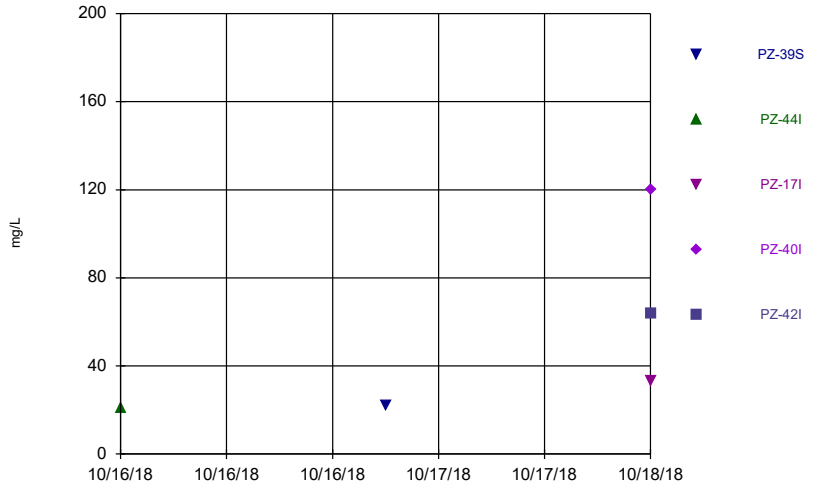
Time Series



Constituent: Calcium, total Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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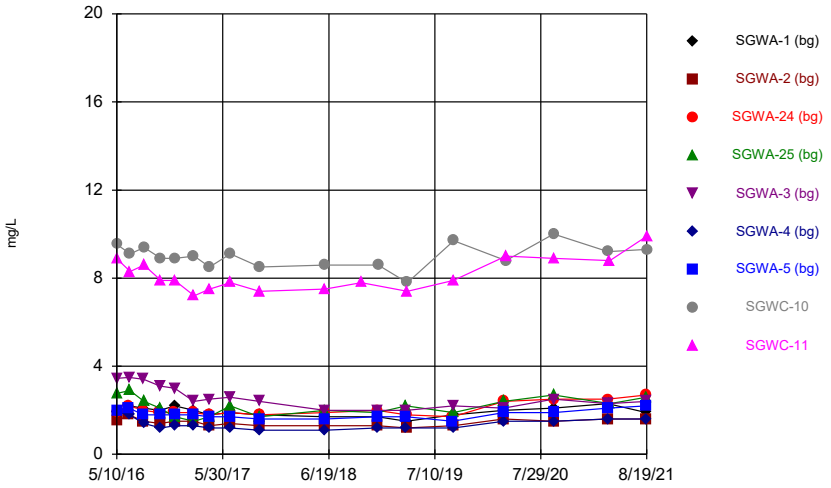
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

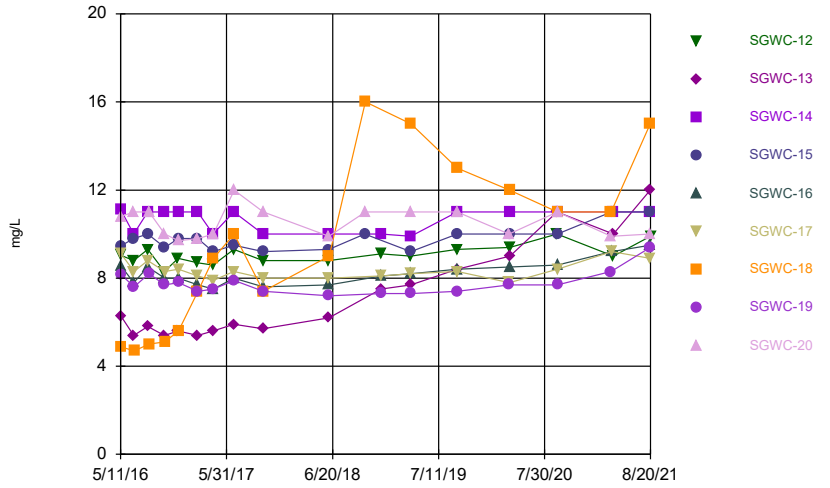
Time Series



Constituent: Chloride, Total Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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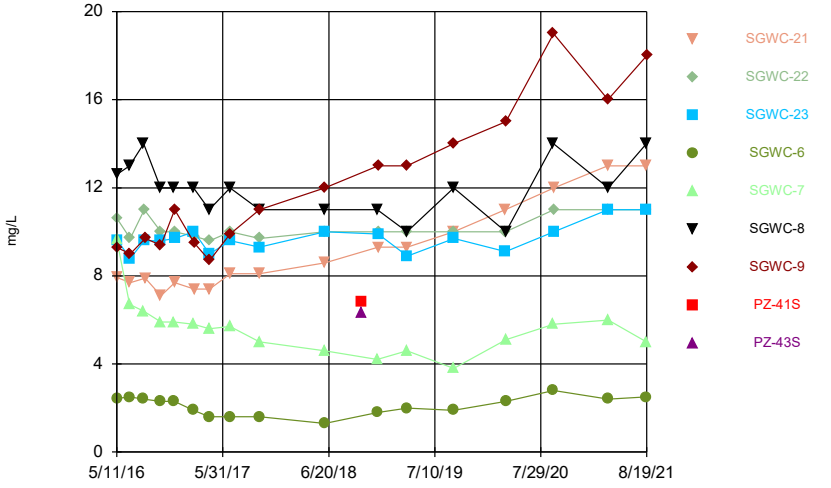
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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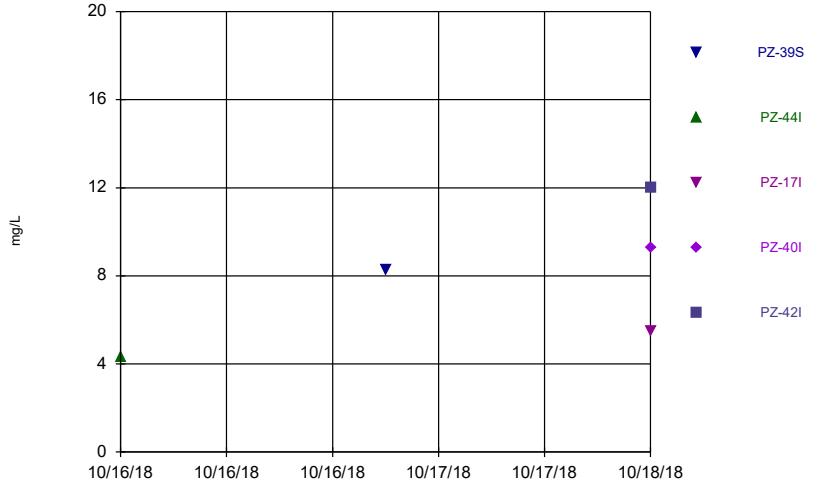
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



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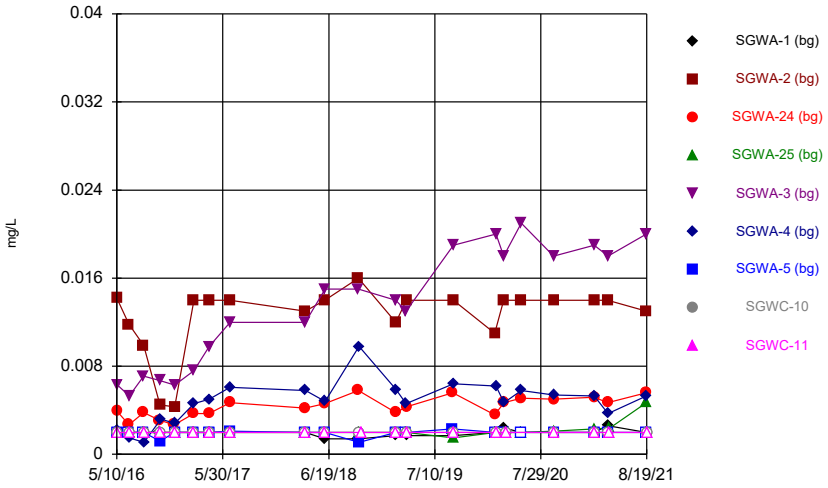
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

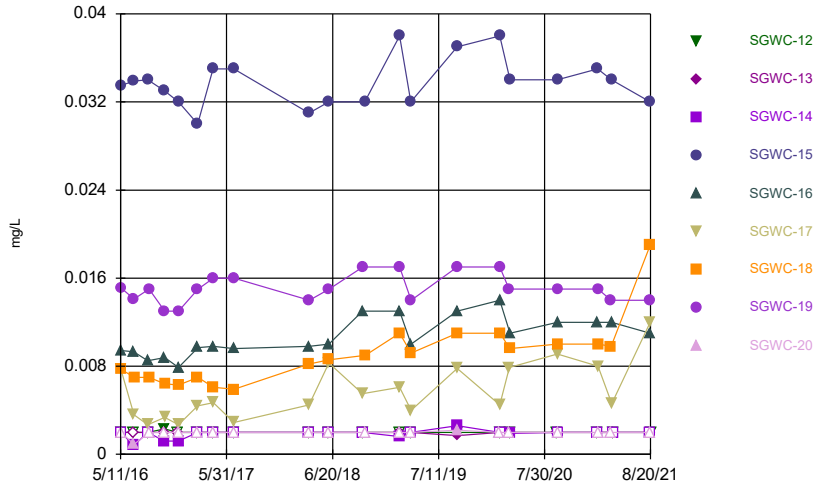
Time Series



Constituent: Chromium Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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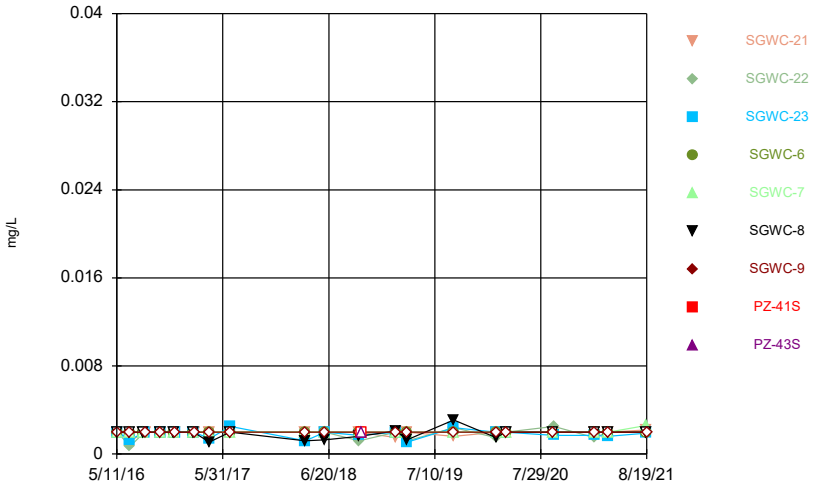
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

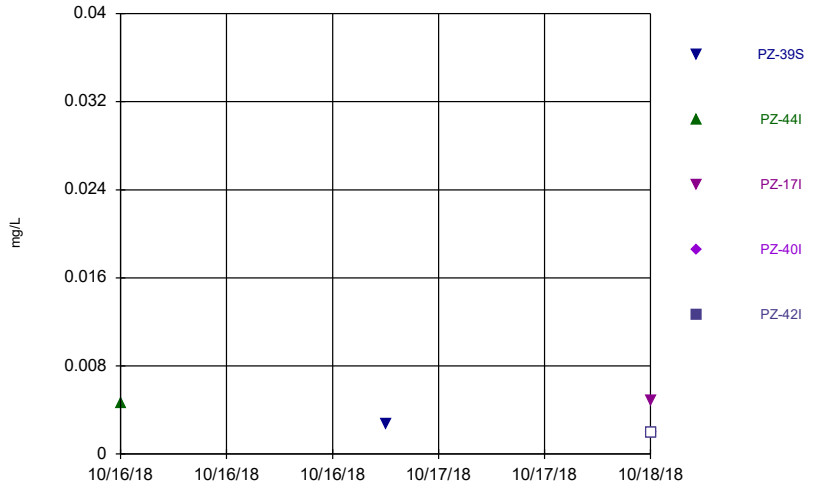
Time Series



Constituent: Chromium Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

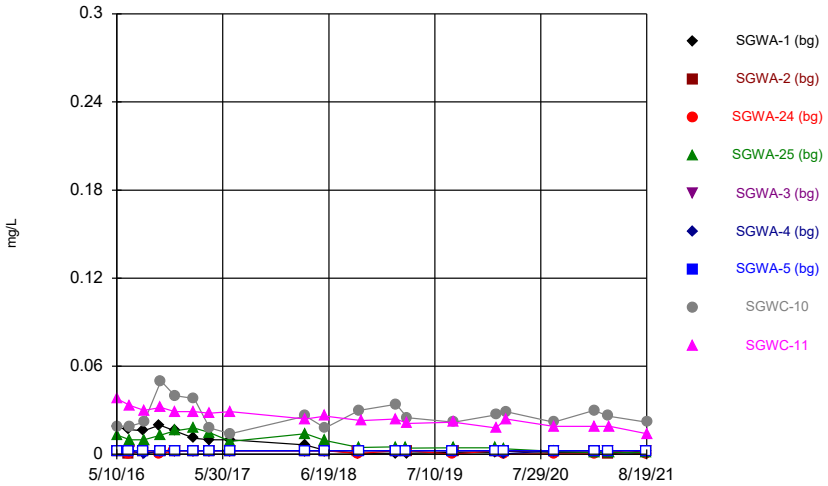
Time Series



Constituent: Chromium Analysis Run 12/14/2021 8:54 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

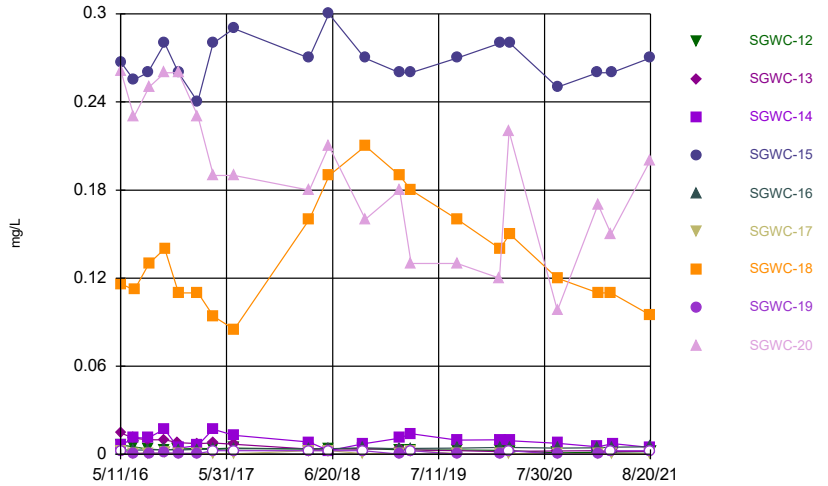
Time Series



Constituent: Cobalt Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

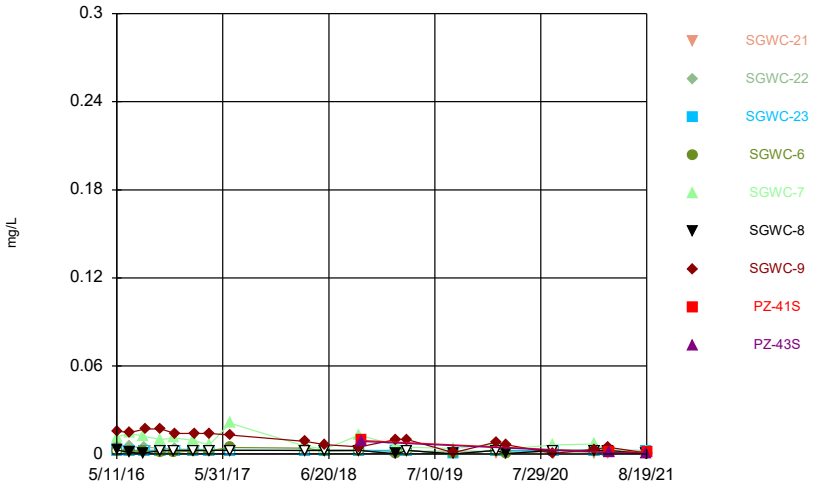
Time Series



Constituent: Cobalt Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

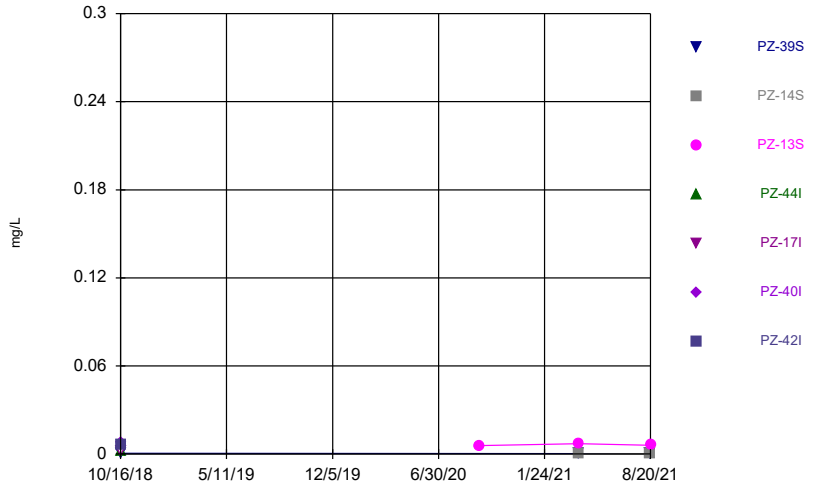
Time Series



Constituent: Cobalt Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

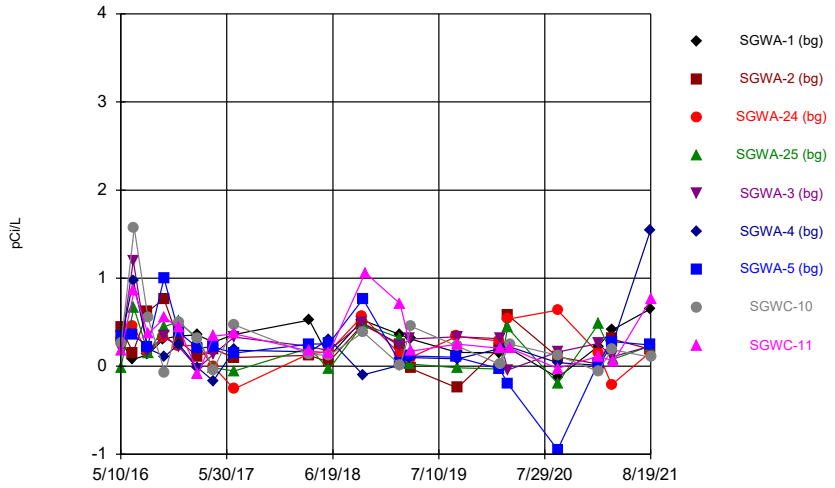
Time Series



Constituent: Cobalt Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

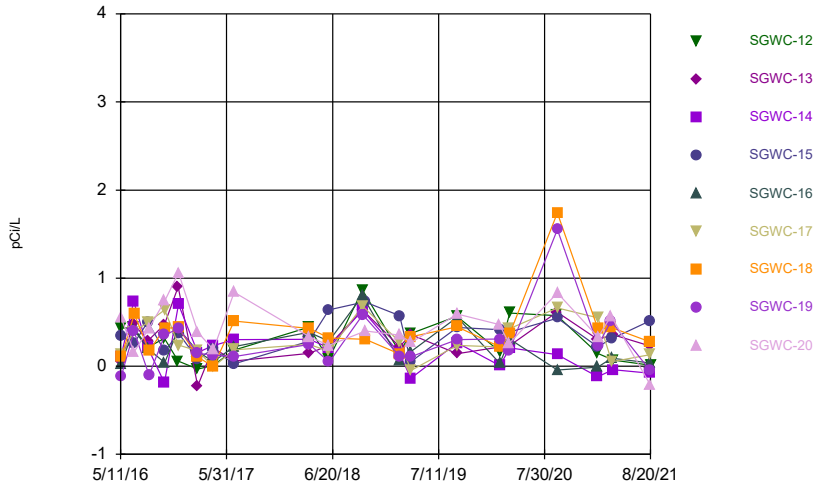
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

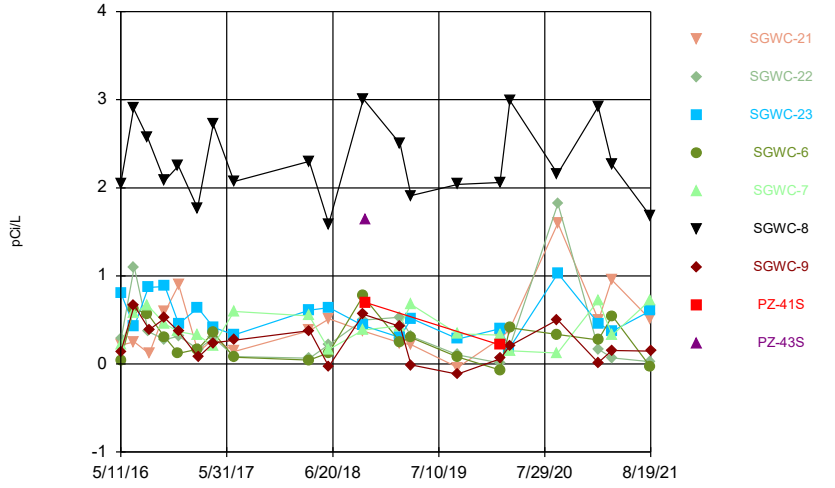
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

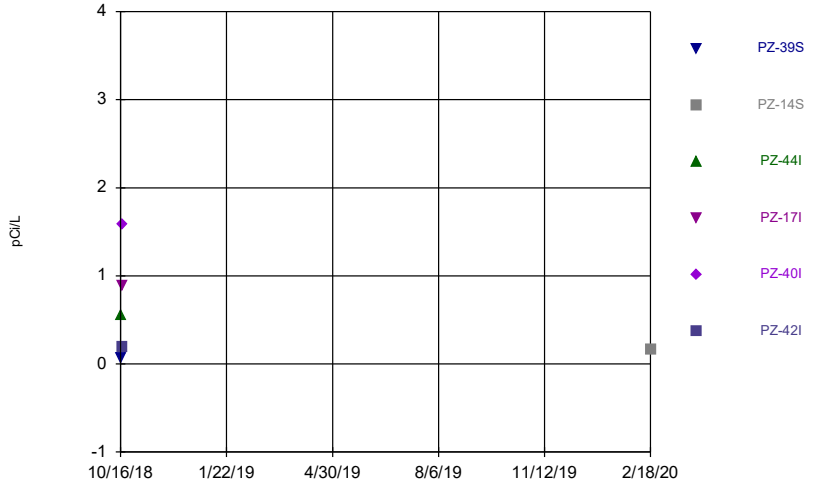
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

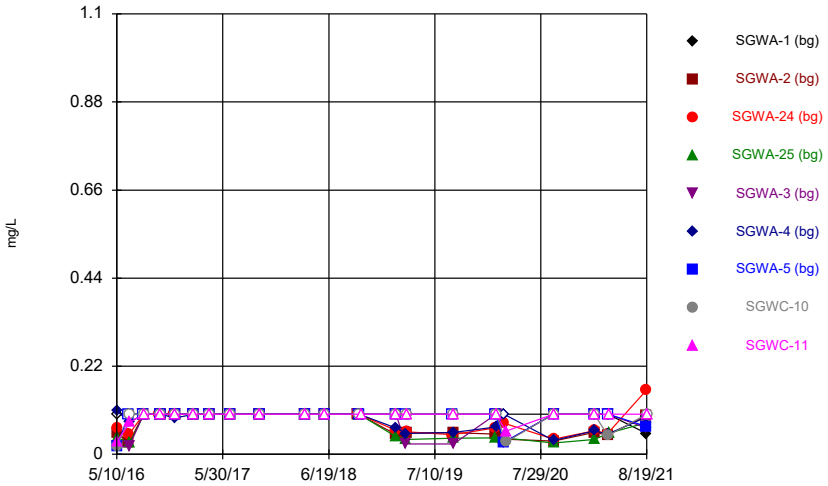
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

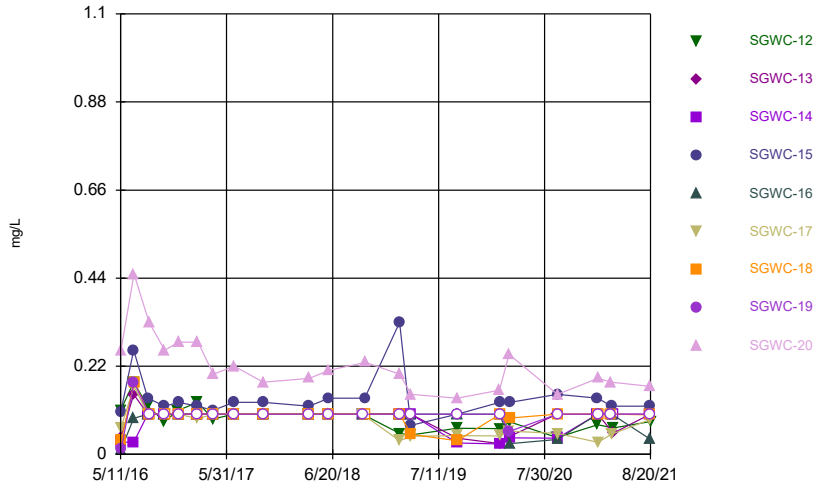
Time Series



Constituent: Fluoride, total Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

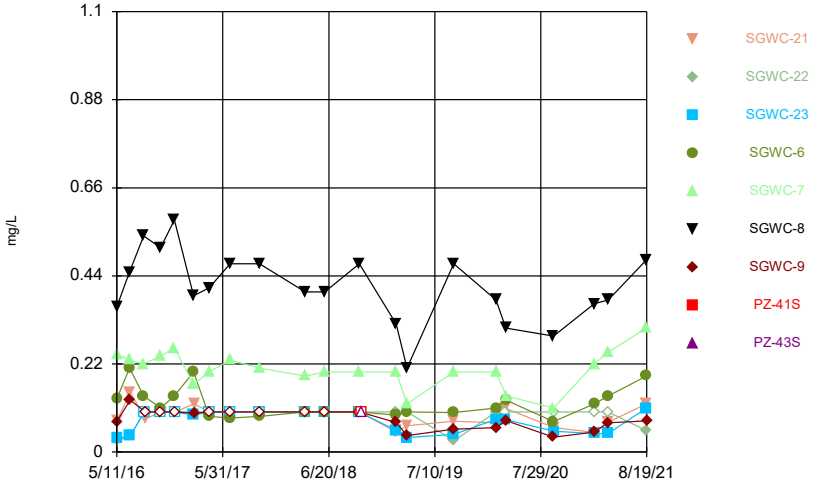
Time Series



Constituent: Fluoride, total Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

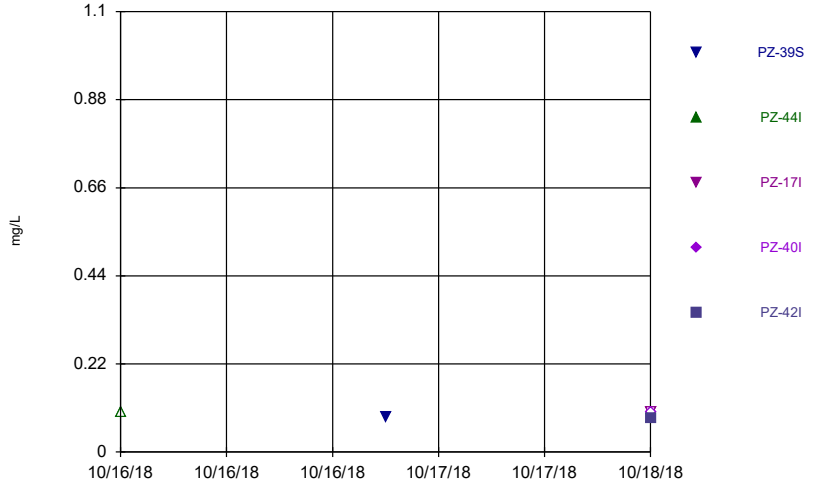
Time Series



Constituent: Fluoride, total Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

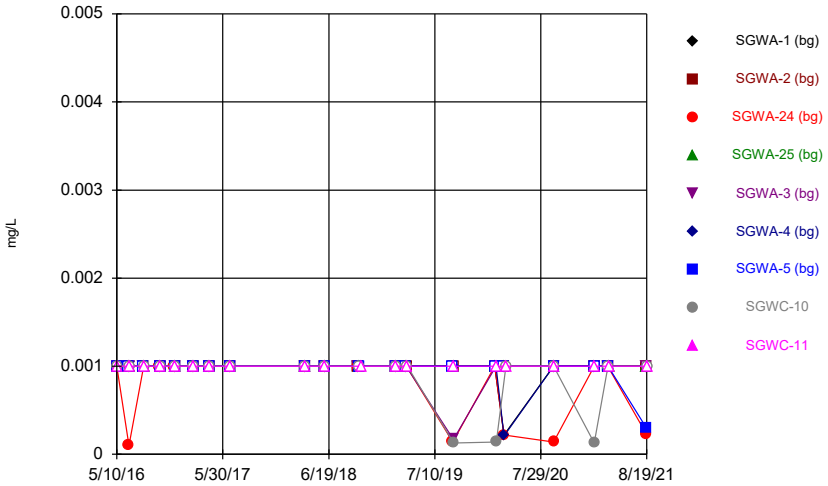
Time Series



Constituent: Fluoride, total Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

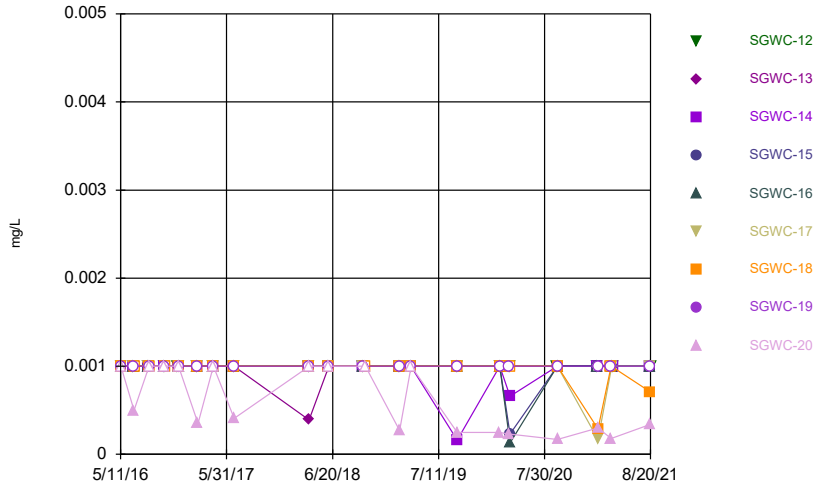
Time Series



Constituent: Lead Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

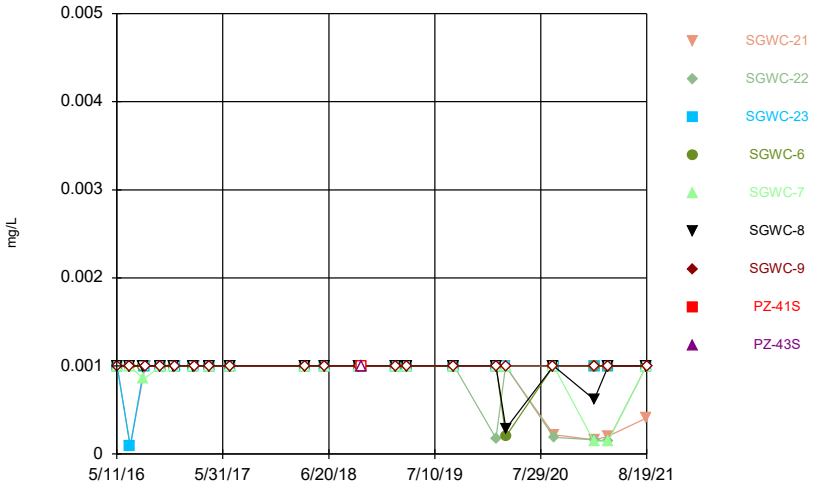
Time Series



Constituent: Lead Analysis Run 12/14/2021 8:55 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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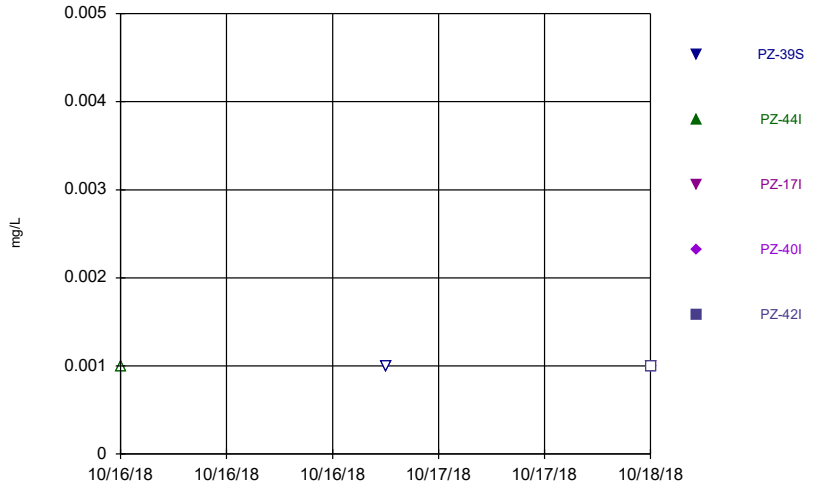
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

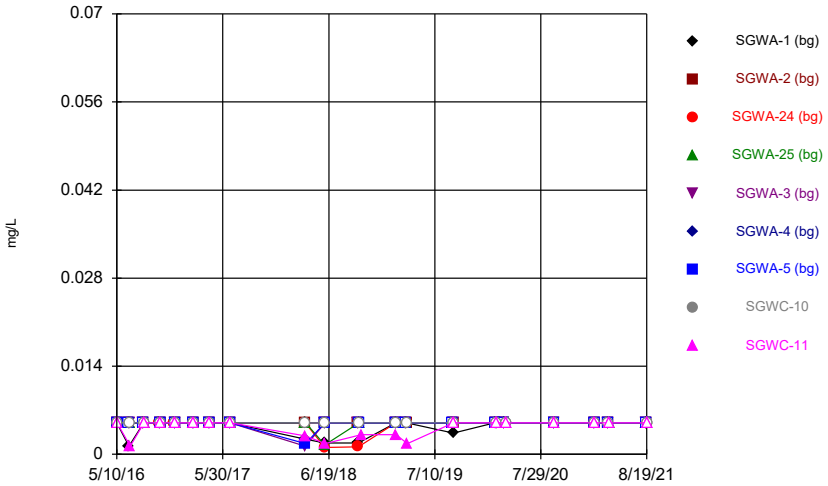
Time Series



Constituent: Lead Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

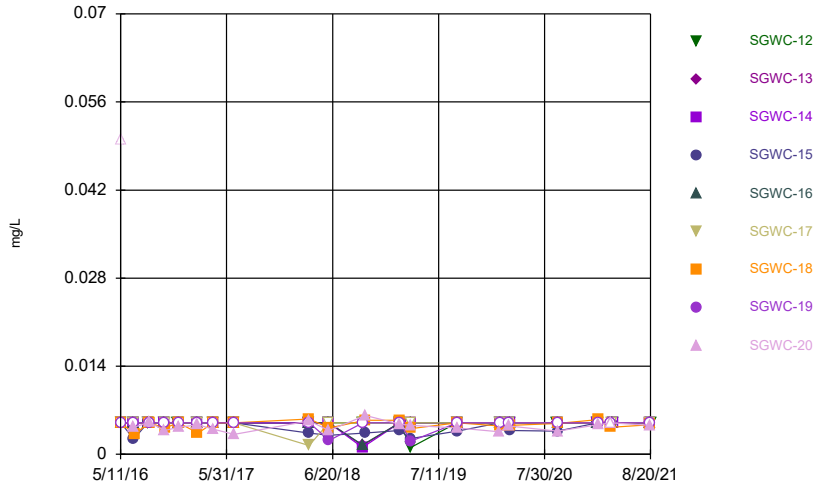
Time Series



Constituent: Lithium Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

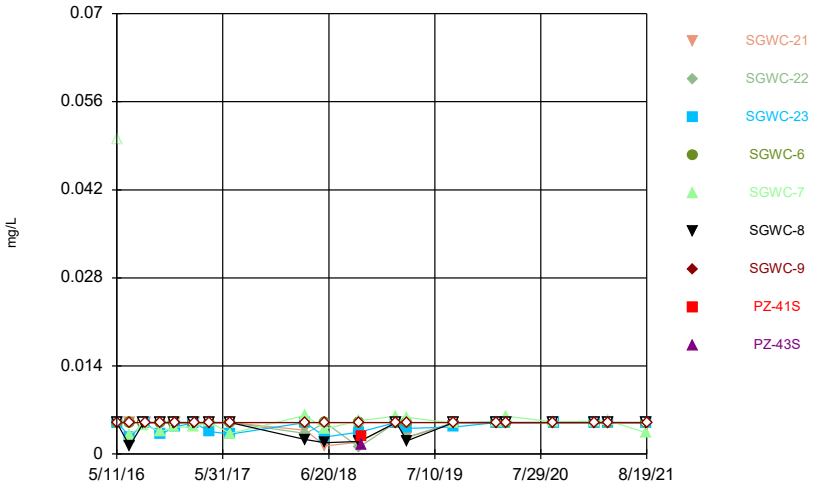
Time Series



Constituent: Lithium Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

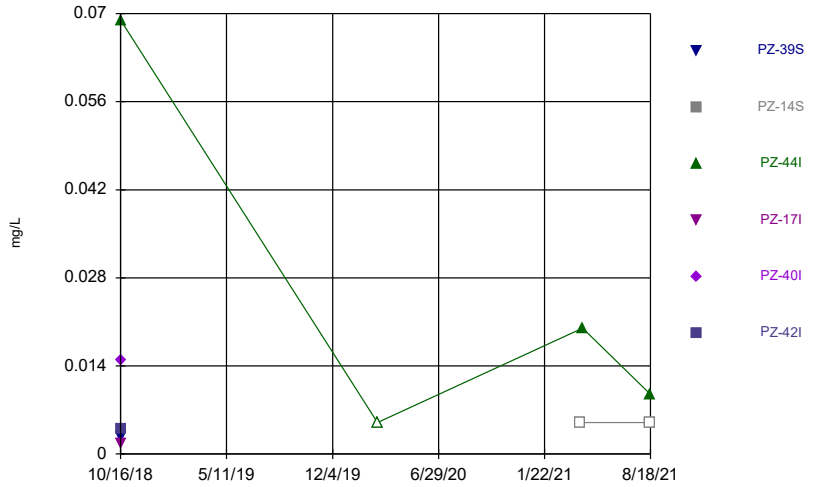
Time Series



Constituent: Lithium Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

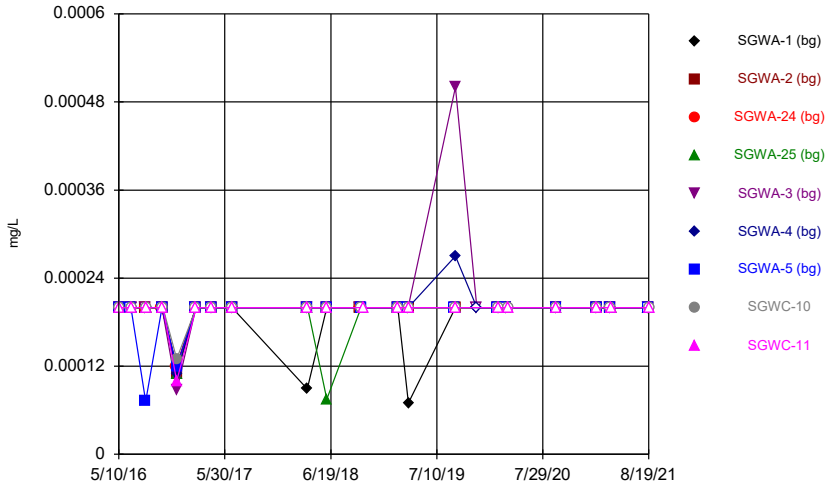
Time Series



Constituent: Lithium Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

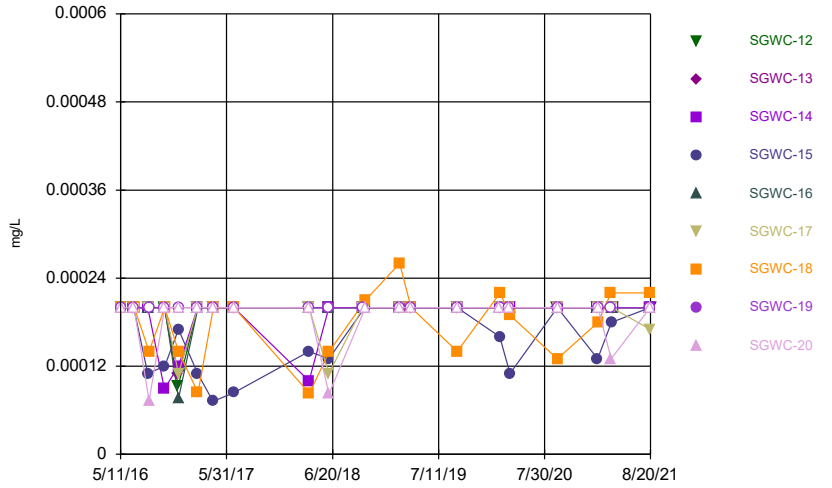
Time Series



Constituent: Mercury Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

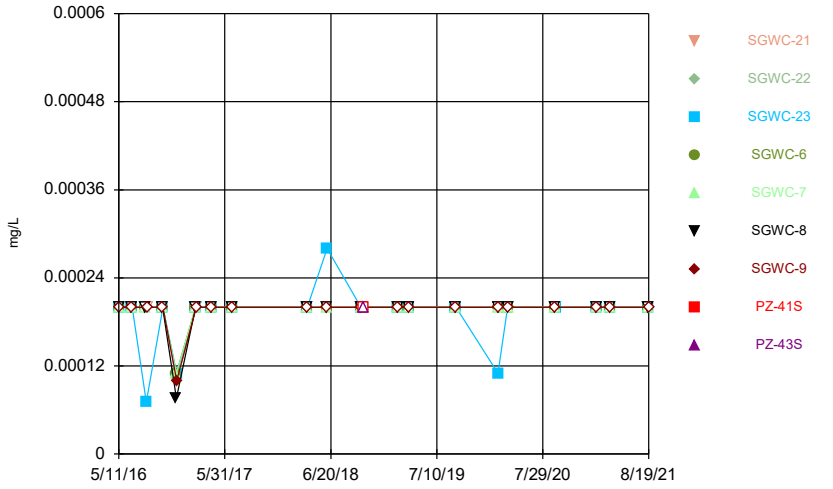
Time Series



Constituent: Mercury Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

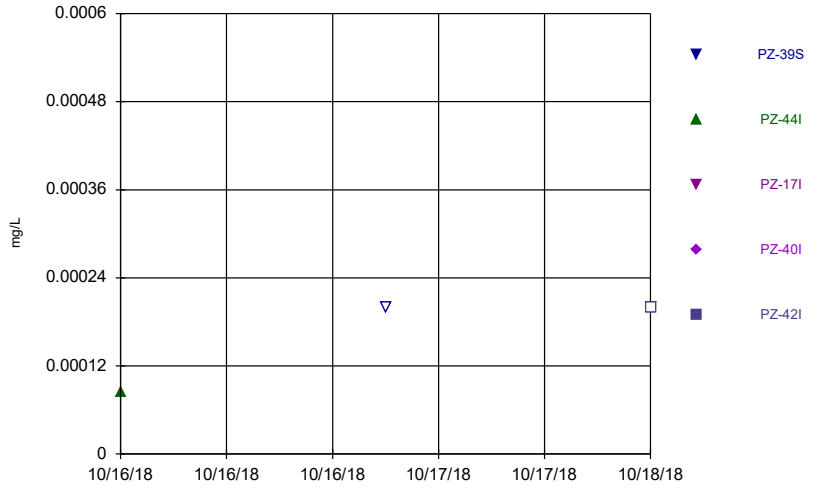
Time Series



Constituent: Mercury Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

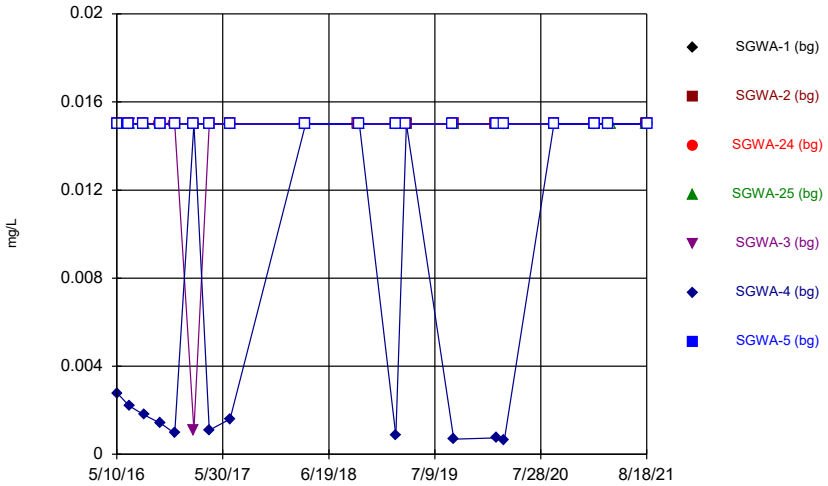
Time Series



Constituent: Mercury Analysis Run 12/14/2021 8:56 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

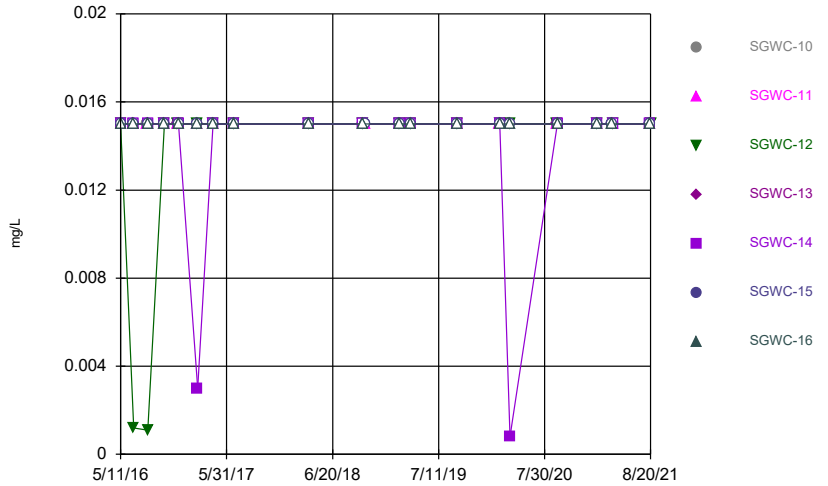
Time Series



Constituent: Molybdenum Analysis Run 12/14/2021 8:57 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

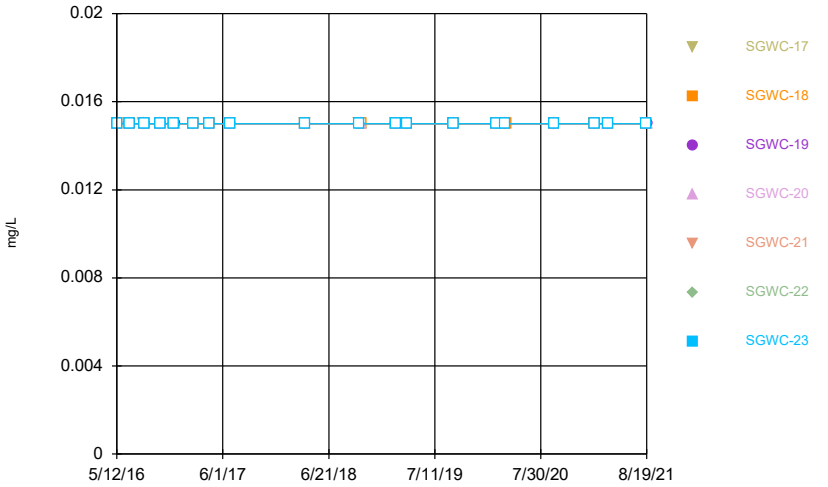
Time Series



Constituent: Molybdenum Analysis Run 12/14/2021 8:57 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

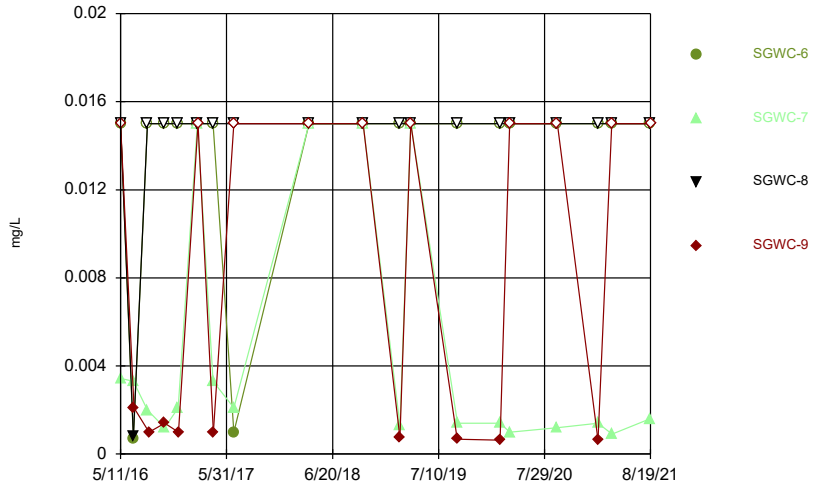
Time Series



Constituent: Molybdenum Analysis Run 12/14/2021 8:57 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

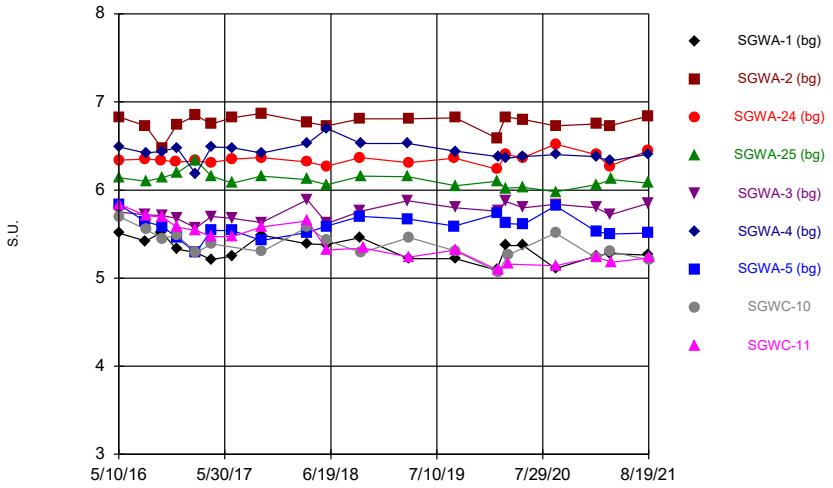
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 12/14/2021 8:57 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

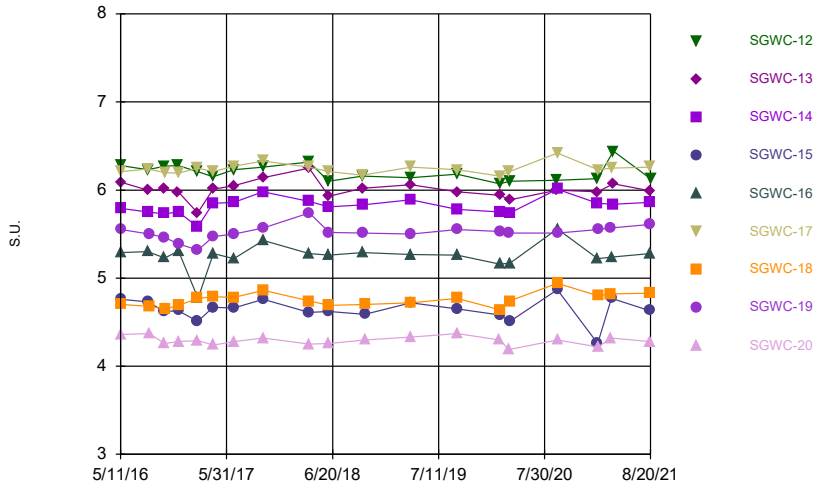
Time Series



Constituent: pH Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

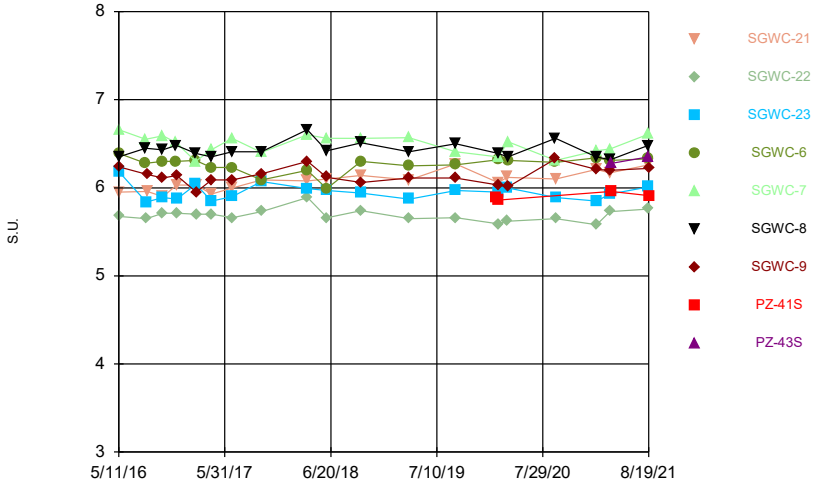
Time Series



Constituent: pH Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

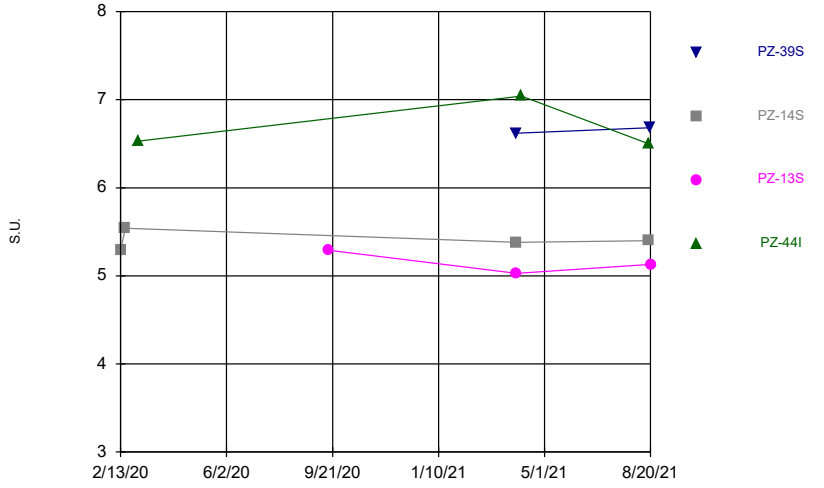
Time Series



Constituent: pH Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

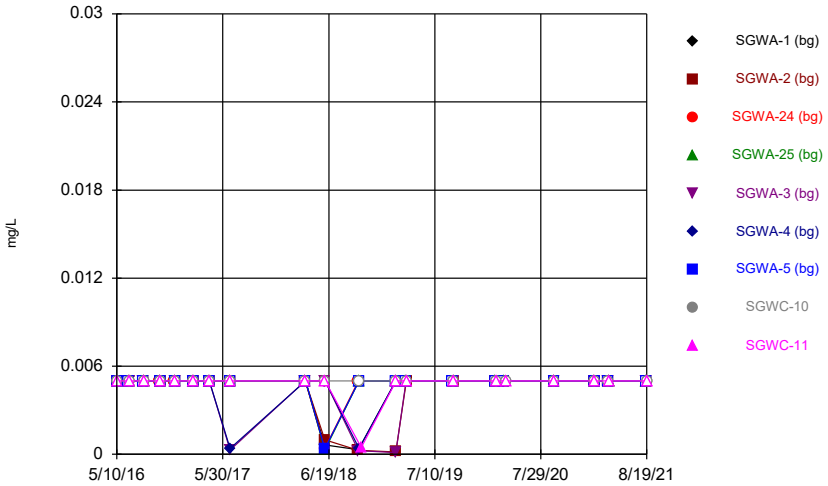
Time Series



Constituent: pH Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

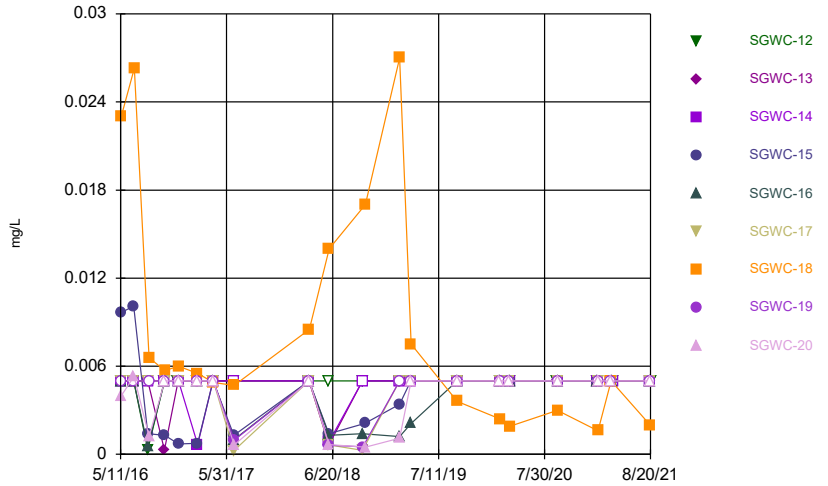
Time Series



Constituent: Selenium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

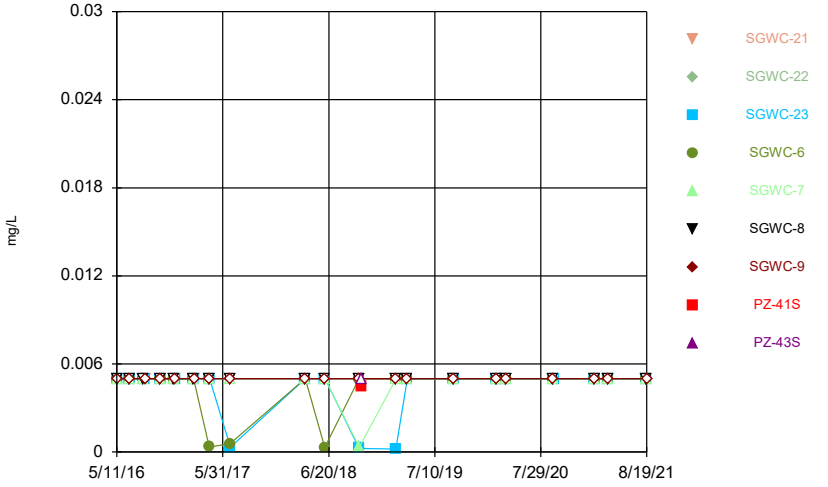
Time Series



Constituent: Selenium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

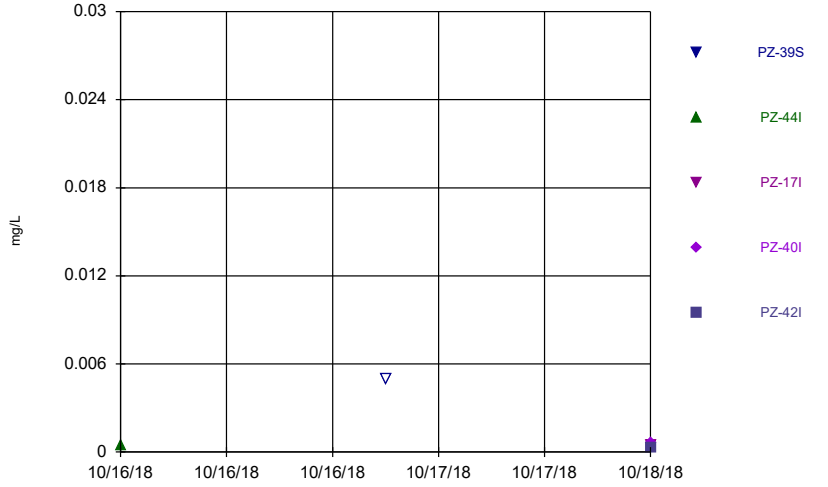
Time Series



Constituent: Selenium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

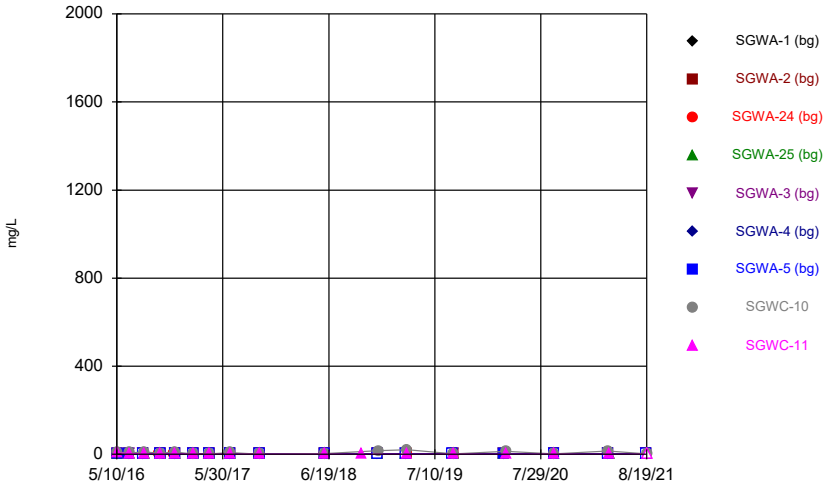
Time Series



Constituent: Selenium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

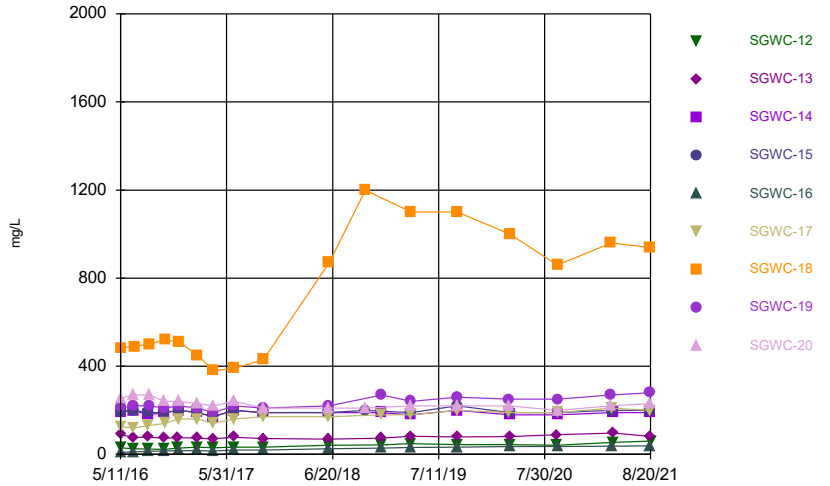
Time Series



Constituent: Sulfate, total Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

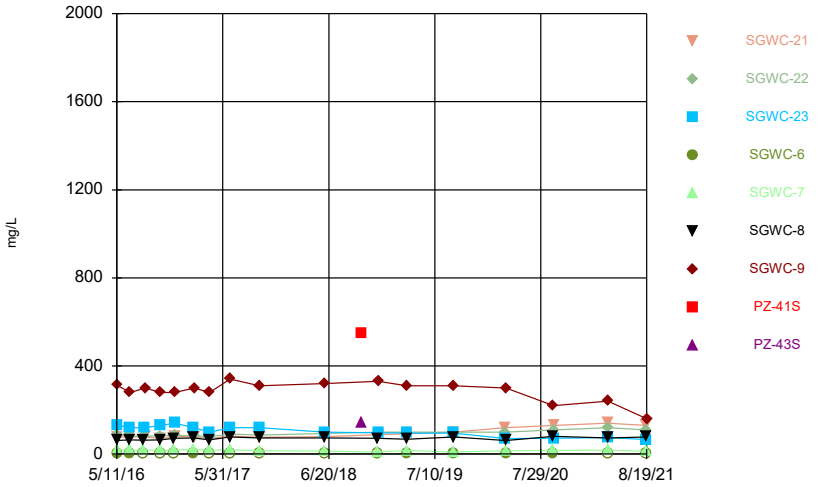
Time Series



Constituent: Sulfate, total Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

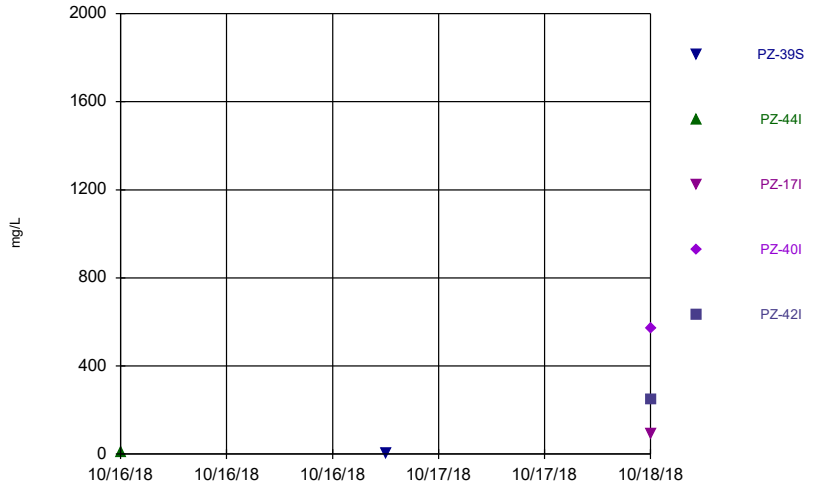
Time Series



Constituent: Sulfate, total Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

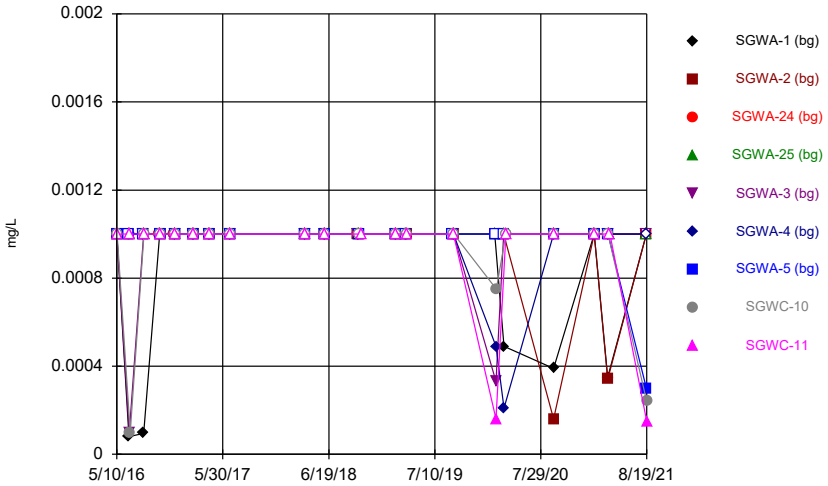
Time Series



Constituent: Sulfate, total Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

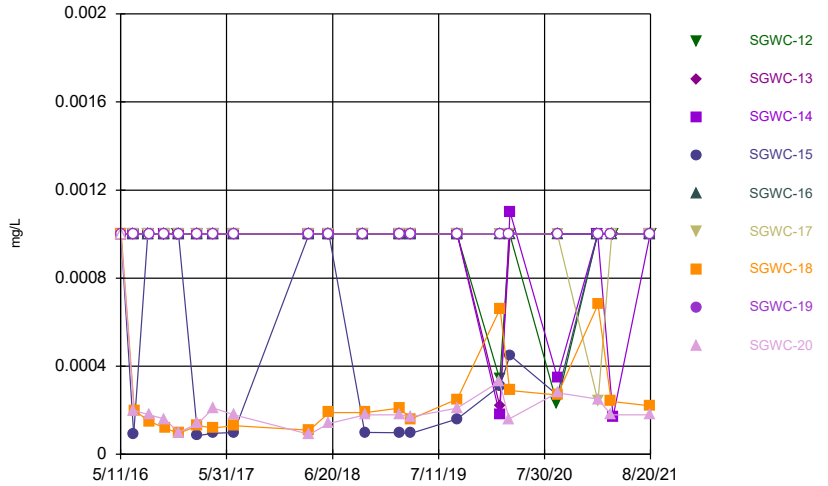
Time Series



Constituent: Thallium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

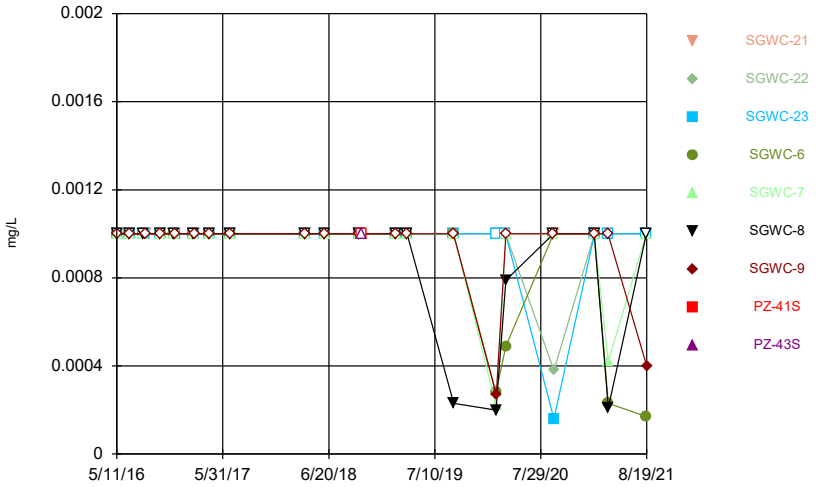
Time Series



Constituent: Thallium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

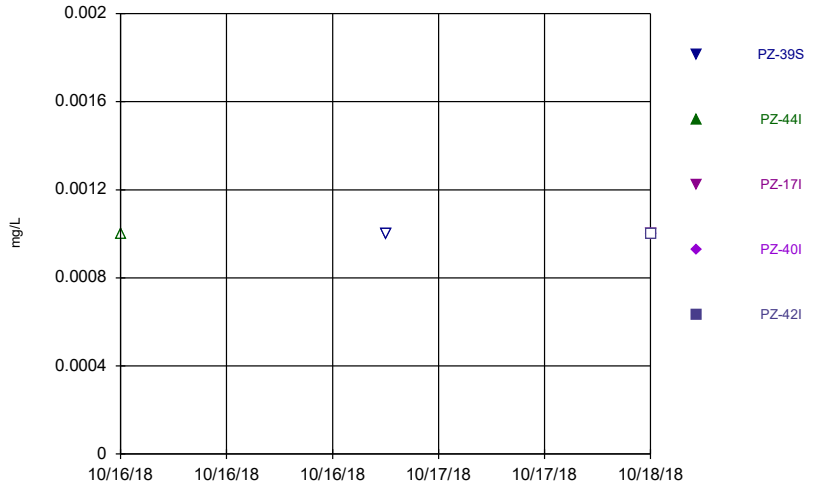
Time Series



Constituent: Thallium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

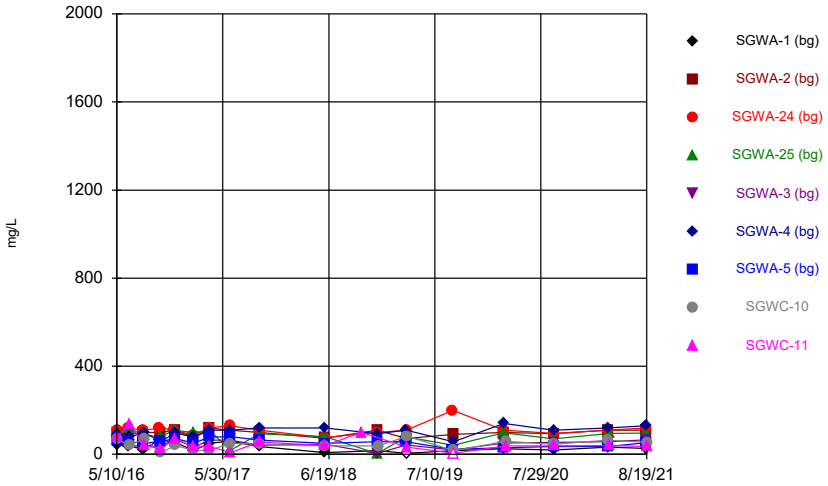
Time Series



Constituent: Thallium Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

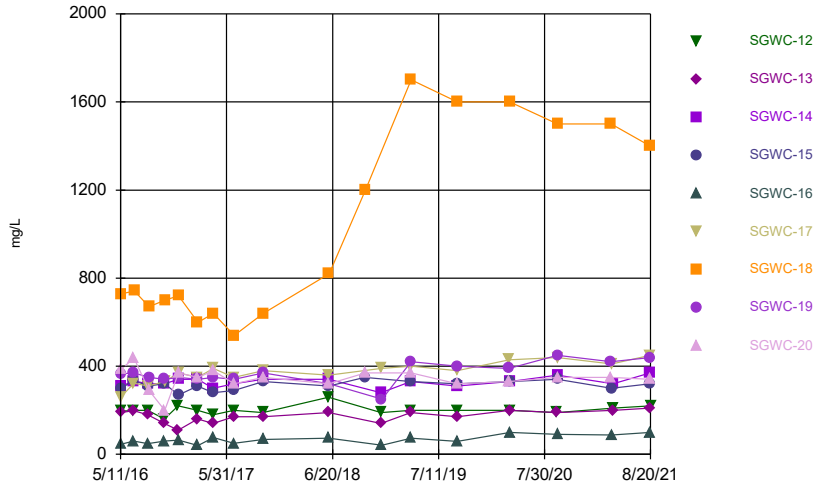
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

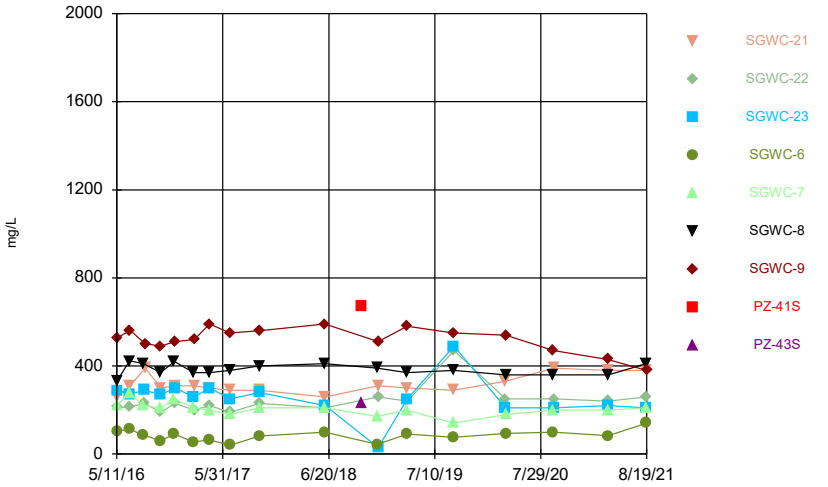
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

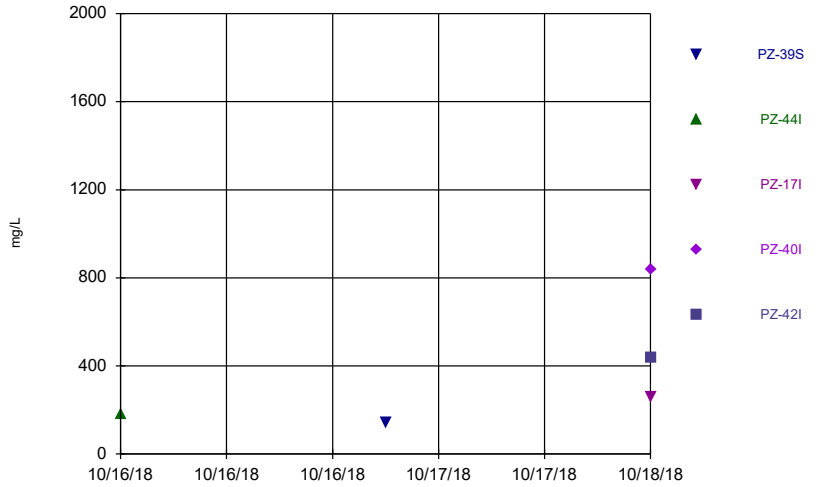
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 8:58 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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	<0.002	<0.002	<0.002	<0.002		<0.002
5/11/2016						<0.002	
6/23/2016	0.0004 (J)	<0.002	0.0003 (J)				<0.002
6/24/2016					0.0021 (J)	0.0007 (J)	
6/27/2016				0.0003 (J)			
8/16/2016	0.0012 (J)	<0.002	<0.002		<0.002		<0.002
8/17/2016				<0.002		<0.002	
10/13/2016	<0.002		<0.002				
10/14/2016		<0.002		<0.002	<0.002		<0.002
10/17/2016						<0.002	
12/5/2016			<0.002				
12/6/2016	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2/14/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017			<0.002				
4/11/2017	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
6/26/2017	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
6/27/2017				<0.002			
3/26/2018	<0.002	<0.002	<0.002		<0.002		
3/27/2018				<0.002		<0.002	<0.002
10/5/2018	<0.002	<0.002	<0.002		<0.002		
10/8/2018				<0.002		<0.002	<0.002
2/18/2019	<0.002	<0.002				<0.002	
2/19/2019			<0.002	<0.002	<0.002		<0.002
3/28/2019				<0.002	<0.002	<0.002	<0.002
3/29/2019	<0.002	<0.002	<0.002				
2/13/2020	<0.002	<0.002	<0.002				
2/17/2020				<0.002			<0.002
2/18/2020					<0.002	<0.002	
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2021	<0.002	<0.002		<0.002		<0.002	
8/18/2021			<0.002		<0.002		<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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	<0.002	<0.002
6/28/2016	0.0014 (J)	<0.002	<0.002	0.0004 (J)	<0.002	<0.002	<0.002
8/17/2016	<0.002	<0.002					
8/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002
10/17/2016	<0.002	<0.002	<0.002	<0.002	<0.002		
10/18/2016						<0.002	<0.002
12/6/2016	<0.002	<0.002	<0.002	<0.002			
12/7/2016					<0.002	<0.002	<0.002
2/15/2017	<0.002	<0.002	<0.002	<0.002 (F1)	<0.002	<0.002	
2/16/2017							<0.002
4/12/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
4/13/2017							<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/8/2018			<0.002	<0.002	<0.002		<0.002
10/9/2018	<0.002						
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/18/2020		<0.002					
2/19/2020	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/19/2021	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
8/20/2021			<0.002				

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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	<0.002			<0.002	<0.002	<0.002	<0.002
5/13/2016		<0.002	<0.002				
6/29/2016	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
6/30/2016		0.0012 (J)					
8/18/2016	<0.002						
8/19/2016						<0.002	<0.002
8/22/2016		<0.002	<0.002	<0.002	<0.002		
10/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002
10/19/2016	<0.002	<0.002					
12/7/2016	<0.002	<0.002			<0.002	<0.002	<0.002
12/8/2016			<0.002	<0.002			
2/15/2017	<0.002						<0.002
2/16/2017		<0.002	<0.002	<0.002	<0.002	<0.002	
4/13/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/27/2017	<0.002						
6/28/2017		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002						<0.002
3/28/2018		<0.002	<0.002	<0.002	<0.002	<0.002	
10/8/2018	<0.002				<0.002	<0.002	<0.002
10/9/2018			<0.002				
2/19/2019						<0.002	<0.002
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002		
2/18/2020				<0.002	<0.002	<0.002	<0.002
2/19/2020	<0.002		<0.002				
2/20/2020		<0.002					
2/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/18/2021	<0.002	<0.002			<0.002	<0.002	<0.002
8/19/2021			<0.002	<0.002			

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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
8/18/2021	<0.002	<0.002	<0.002	
8/19/2021				<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
5/11/2016						<0.001		<0.001	0.00103 (J)
6/23/2016	<0.001	<0.001	<0.001				<0.001		
6/24/2016					<0.001	<0.001			
6/27/2016				<0.001					
6/28/2016								<0.001	0.0011 (J)
8/16/2016	0.00065 (J)	0.0005 (J)	<0.001		<0.001		<0.001		
8/17/2016				0.0012 (J)		<0.001		<0.001	0.0011 (J)
10/13/2016	<0.001		<0.001						
10/14/2016		<0.001		0.00073 (J)	<0.001		<0.001		
10/17/2016						<0.001		<0.001	0.0011 (J)
12/5/2016			<0.001						
12/6/2016	<0.001	<0.001		0.00075 (J)	<0.001	<0.001	<0.001	<0.001	0.00072 (J)
2/14/2017	0.00055 (J)	0.00046 (J)	0.00057 (J)	0.0015 (J)	<0.001	<0.001	<0.001		
2/15/2017								0.0005 (J)	0.0011 (J)
4/10/2017			<0.001						
4/11/2017	<0.001	<0.001		0.00072 (J)	<0.001	0.0011 (J)	<0.001		
4/12/2017								<0.001	0.00076 (J)
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)				0.00074 (J)	0.0011 (J)
3/26/2018	<0.001	<0.001	<0.001		<0.001				
3/27/2018				0.00052 (J)		<0.001	<0.001	<0.001	<0.001
6/5/2018	<0.001	<0.001	<0.001	<0.001			<0.001		
6/6/2018					<0.001	<0.001		<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001		<0.001				
10/8/2018				<0.001		<0.001	<0.001		
10/9/2018								<0.001	
10/16/2018									<0.001
2/18/2019	<0.001	<0.001				<0.001			
2/19/2019			<0.001	<0.001	<0.001		<0.001		
2/20/2019								<0.001	<0.001
3/28/2019				0.00048 (J)	<0.001	<0.001	<0.001		
3/29/2019	<0.001	<0.001	<0.001						
4/1/2019								0.00059 (J)	0.0011 (J)
9/12/2019							<0.001		
9/13/2019			<0.001						
9/16/2019	<0.001	<0.001		<0.001	<0.001	<0.001			<0.001
9/17/2019								<0.001	
2/13/2020	<0.001	<0.001	<0.001						
2/17/2020				<0.001			<0.001		
2/18/2020					<0.001	<0.001			<0.001
2/19/2020								<0.001	
3/17/2020		<0.001		<0.001	<0.001		<0.001		
3/18/2020	<0.001		<0.001			<0.001			
3/25/2020								<0.001	<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2021	<0.001	<0.001	<0.001						
3/31/2021					<0.001	<0.001	<0.001	<0.001	
4/7/2021				<0.001					<0.001
8/17/2021	<0.001	<0.001		<0.001		<0.001			
8/18/2021			<0.001		<0.001		<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.001								
5/12/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
5/13/2016							0.00161 (J)	<0.001	
6/28/2016	0.001 (J)	<0.001	<0.001	0.0026 (J)	<0.001				
6/29/2016						<0.001		<0.001	0.0018 (J)
6/30/2016							0.004 (J)		
8/18/2016	0.00091 (J)	<0.001	<0.001	0.0015	<0.001	<0.001			
8/22/2016							0.0012 (J)	<0.001	0.001 (J)
10/17/2016	<0.001	<0.001	<0.001						
10/18/2016				0.0019	<0.001			<0.001	0.00085 (J)
10/19/2016						0.001045 (JD)	0.0019		
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	0.00079 (J)	<0.001	<0.001	0.0012 (J)		
12/8/2016								<0.001	<0.001
2/15/2017	0.00076 (J)	<0.001	<0.001	0.00073 (J)		0.00059 (J)			
2/16/2017					<0.001		0.00086 (J)	<0.001	<0.001
4/12/2017	0.00046 (J)	0.00047 (J)	0.00057 (J)	0.0009 (J)					
4/13/2017					<0.001	0.00066 (J)	0.00058 (J)	<0.001	<0.001
6/27/2017	0.0011 (J)	0.00088 (J)	0.00058 (J)	0.0011 (J)	0.00055 (J)	0.00075 (J)			
6/28/2017							0.0011 (J)	0.00068 (J)	0.00094 (J)
3/27/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/28/2018							0.0015	<0.001	<0.001
6/6/2018	<0.001								
6/7/2018		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
6/8/2018							0.002	<0.001	
10/8/2018	0.0007 (J)	0.00069 (J)	0.0007 (J)		0.00054 (J)	0.00075 (J)			
10/9/2018								0.00058 (J)	
10/16/2018				<0.001					
10/18/2018							0.0031		<0.001
2/20/2019	<0.001	<0.001	<0.001	0.00075 (J)	<0.001	<0.001	0.003	<0.001	<0.001
4/1/2019	0.0012 (J)	0.0014	0.0012 (J)	0.0016					
4/2/2019					<0.001	<0.001	0.0027	<0.001	<0.001
9/16/2019	<0.001								
9/17/2019		<0.001	<0.001	0.0008 (J)	<0.001	<0.001	0.0029	<0.001	0.00037 (J)
2/18/2020									0.00032 (J)
2/19/2020	0.00032 (J)	<0.001	<0.001	0.001	<0.001	<0.001		<0.001	
2/20/2020							0.0031		
3/23/2020								<0.001	0.0005 (J)
3/24/2020						<0.001			
3/26/2020	0.00032 (J)						0.0047		
3/27/2020		<0.001	0.0014	0.0016	<0.001				
9/14/2020	<0.001	<0.001							
9/15/2020			<0.001	0.0014	<0.001	<0.001	0.0045	<0.001	0.00051 (J)
2/9/2021	<0.001	<0.001	<0.001	0.0013	<0.001				
2/10/2021						0.00038 (J)	0.0033	<0.001	0.00059 (J)
3/30/2021							0.0028	<0.001	0.00049 (J)
3/31/2021				0.0012					
4/1/2021					0.00033 (J)	<0.001			
4/6/2021			<0.001						
4/7/2021	<0.001	<0.001							
8/18/2021						<0.001	0.0028		
8/19/2021		<0.001	<0.001	0.0014	<0.001			<0.001	0.00066 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.001								

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.001	<0.001	<0.001	<0.001		
5/12/2016	<0.001	<0.001	<0.001						
6/27/2016				<0.001	0.0009 (J)	<0.001			
6/29/2016	<0.001	<0.001	<0.001				0.0009 (J)		
8/17/2016				<0.001	0.0006 (J)	<0.001			
8/19/2016		<0.001	<0.001						
8/22/2016	<0.001						<0.001		
10/17/2016				<0.001		<0.001			
10/18/2016	<0.001	<0.001	<0.001		<0.001		0.00074 (J)		
12/6/2016				<0.001	<0.001	<0.001			
12/7/2016	<0.001	<0.001	<0.001				0.00079 (J)		
2/14/2017				0.0006 (J)	0.00059 (J)	0.0005 (J)			
2/15/2017			<0.001						
2/16/2017	<0.001	<0.001					0.00056 (J)		
4/12/2017				0.00046 (J)	0.00058 (J)	<0.001			
4/13/2017	<0.001	0.0006 (J)	0.00061 (J)				0.00079 (J)		
6/27/2017				<0.001	<0.001	0.00076 (J)	0.0011 (J)		
6/28/2017	0.00076 (J)	0.00089 (J)	0.00079 (J)						
3/27/2018			<0.001	<0.001	<0.001	<0.001			
3/28/2018	<0.001	<0.001					<0.001		
6/6/2018				<0.001	<0.001	<0.001	<0.001		
6/7/2018	<0.001	<0.001	<0.001						
10/8/2018	<0.001	<0.001	<0.001	<0.001					
10/9/2018					0.00057 (J)	0.00053 (J)	0.00068 (J)		
10/18/2018								<0.001	<0.001
2/19/2019		<0.001	<0.001						
2/20/2019	<0.001			<0.001	<0.001	<0.001	<0.001		
4/1/2019					<0.001	0.001 (J)	<0.001		
4/2/2019	<0.001	<0.001	<0.001	<0.001					
9/16/2019				<0.001			<0.001		
9/17/2019	<0.001				<0.001	0.00035 (J)			
9/18/2019		0.00035 (J)	<0.001						
2/18/2020	<0.001	0.00034 (J)	<0.001	<0.001	<0.001	<0.001			
2/19/2020							0.00039 (J)		
3/23/2020	<0.001								
3/24/2020		<0.001	<0.001						
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		
9/15/2020	<0.001	<0.001	<0.001						
2/9/2021				<0.001	<0.001	<0.001	<0.001		
2/10/2021	<0.001	<0.001	<0.001						
3/30/2021	<0.001								
3/31/2021		<0.001	<0.001				0.00033 (J)		
4/1/2021				<0.001	0.00044 (J)	<0.001			
8/18/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
8/19/2021							<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.001			
10/17/2018	0.0019				
10/18/2018			<0.001	<0.001	<0.001

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	0.0663	0.0409	0.0214	0.0253	0.036		0.0112		
5/11/2016						0.0484		0.0294	0.038
6/23/2016	0.055	0.0342	0.0204				0.0101		
6/24/2016					0.0343	0.0471			
6/27/2016				0.0253					
6/28/2016								0.0293	0.0363
8/16/2016	0.048	0.034	0.018		0.029		0.0088		
8/17/2016				0.021		0.046		0.029	0.033
10/13/2016	0.061		0.022						
10/14/2016		0.041		0.023	0.034		0.01		
10/17/2016						0.049		0.027	0.035
12/5/2016			0.023						
12/6/2016	0.053	0.042		0.02	0.033	0.047	0.011	0.03	0.035
2/14/2017	0.046	0.035	0.021	0.018	0.032	0.05	0.01		
2/15/2017								0.025	0.036
4/10/2017			0.021						
4/11/2017	0.046	0.037		0.021	0.033	0.053	0.01		
4/12/2017								0.028	0.038
6/26/2017	0.048	0.037	0.022		0.036	0.058	0.011		
6/27/2017				0.024				0.034	0.042
3/26/2018	0.053	0.036	0.022		0.035				
3/27/2018				0.024		0.061	0.01	0.031	0.039
6/5/2018	0.058	0.038	0.022	0.024			0.011		
6/6/2018					0.036	0.058		0.027	0.041
10/5/2018	0.058	0.036	0.024		0.035				
10/8/2018				0.024		0.064	0.011		
10/9/2018								0.032	
10/16/2018									0.037
2/18/2019	0.046	0.035				0.057			
2/19/2019			0.019	0.022	0.033		0.0094		
2/20/2019								0.036	0.044
3/28/2019				0.022	0.036	0.061	0.0097		
3/29/2019	0.044	0.039	0.021						
4/1/2019								0.039	0.041
9/12/2019							0.012		
9/13/2019			0.025						
9/16/2019	0.048	0.045		0.028	0.041	0.068			0.045
9/17/2019								0.029	
2/13/2020	0.042	0.043	0.025						
2/17/2020				0.026			0.01		
2/18/2020					0.04	0.069			0.044
2/19/2020								0.027	
3/17/2020		0.039		0.025	0.037		0.01		
3/18/2020	0.046		0.023			0.071			
3/25/2020								0.036	0.046
9/14/2020	0.043	0.038	0.024	0.026	0.039	0.068	0.011	0.027	0.042
2/9/2021	0.043	0.037	0.023	0.025	0.035	0.065	0.01	0.028	0.043
3/30/2021	0.047	0.039	0.022						
3/31/2021					0.041	0.068	0.011	0.036	
4/7/2021				0.026					0.046
8/17/2021	0.047	0.038		0.027		0.066			
8/18/2021			0.025		0.036		0.011		

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								0.025	0.045

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	0.0324								
5/12/2016		0.0198	0.067	0.041	0.0163	0.0157			0.0436
5/13/2016							0.0138	0.0507	
6/28/2016	0.0321	0.0208	0.0668	0.0435	0.0165				
6/29/2016						0.0161 (J)		0.0485	0.0466
6/30/2016							0.0145 (J)		
8/18/2016	0.03	0.022	0.06	0.043	0.017	0.016			
8/22/2016							0.014	0.044	0.038
10/17/2016	0.032	0.024	0.06						
10/18/2016				0.041	0.017			0.042	0.039
10/19/2016						0.021 (D)	0.016		
12/6/2016	0.032	0.025							
12/7/2016			0.063	0.042	0.017	0.018	0.015		
12/8/2016								0.045	0.038
2/15/2017	0.036	0.026	0.061	0.038		0.02			
2/16/2017					0.017		0.013	0.04	0.034
4/12/2017	0.037	0.029	0.062	0.038					
4/13/2017					0.019	0.019	0.012	0.037	0.028
6/27/2017	0.042	0.031	0.06	0.041	0.02	0.019			
6/28/2017							0.012	0.04	0.03
3/27/2018	0.043	0.029	0.055	0.035	0.021	0.02			
3/28/2018							0.029	0.034	0.027
6/6/2018	0.048								
6/7/2018		0.032	0.057	0.035	0.022	0.02			0.029
6/8/2018							0.032	0.035	
10/8/2018	0.049	0.033	0.053		0.025	0.021			
10/9/2018								0.037	
10/16/2018				0.031					
10/18/2018							0.033		0.027
2/20/2019	0.054	0.041	0.053	0.036	0.027	0.023	0.034	0.036	0.03
4/1/2019	0.051	0.038	0.054	0.034					
4/2/2019					0.023	0.02	0.028	0.03	0.023
9/16/2019	0.052								
9/17/2019		0.036	0.048	0.034	0.029	0.025	0.026	0.035	0.025
2/18/2020									0.023
2/19/2020	0.053	0.033	0.047	0.031	0.029	0.022		0.034	
2/20/2020							0.023		
3/23/2020								0.032	0.024
3/24/2020						0.024			
3/26/2020	0.051						0.02		
3/27/2020		0.034	0.049	0.028	0.027				
9/14/2020	0.057	0.039							
9/15/2020			0.05	0.031	0.031	0.025	0.02	0.034	0.024
2/9/2021	0.058	0.036	0.046	0.029	0.03				
2/10/2021						0.023	0.016	0.031	0.023
3/30/2021							0.015	0.03	0.021
3/31/2021				0.028					
4/1/2021					0.029	0.022			
4/6/2021			0.048						
4/7/2021	0.058	0.037							
8/18/2021						0.024	0.022		
8/19/2021		0.036	0.042	0.027	0.029			0.027	0.02

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	0.057								

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:58 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				0.0933	0.295	0.251	0.0494		
5/12/2016	0.0914	0.1	0.0959						
6/27/2016				0.101	0.353	0.205			
6/29/2016	0.0933	0.0991	0.0957				0.0535		
8/17/2016				0.094	0.29	0.16			
8/19/2016		0.096	0.093						
8/22/2016	0.086						0.049		
10/17/2016				0.11		0.17			
10/18/2016	0.093	0.096	0.093		0.29		0.049		
12/6/2016				0.11	0.31	0.16			
12/7/2016	0.096	0.09	0.09				0.048		
2/14/2017				0.056	0.3	0.18			
2/15/2017			0.09						
2/16/2017	0.091	0.091					0.056		
4/12/2017				0.048	0.3	0.18			
4/13/2017	0.088	0.091	0.081				0.063		
6/27/2017				0.058	0.36	0.18	0.067		
6/28/2017	0.094	0.1	0.085						
3/27/2018			0.076	0.021	0.27	0.17			
3/28/2018	0.09	0.084					0.069		
6/6/2018				0.014	0.24	0.18	0.069		
6/7/2018	0.092	0.084	0.082						
10/8/2018	0.092	0.084	0.077	0.069					
10/9/2018					0.28	0.17	0.077		
10/18/2018								0.059	0.12
2/19/2019		0.075	0.064						
2/20/2019	0.1			0.052	0.28	0.2	0.077		
4/1/2019					0.24	0.19	0.071		
4/2/2019	0.087	0.076	0.068	0.069					
9/16/2019				0.13			0.077		
9/17/2019	0.097				0.23	0.19			
9/18/2019		0.078	0.068						
2/18/2020	0.11	0.085	0.065	0.083	0.25	0.17			
2/19/2020							0.065		
3/23/2020	0.1								
3/24/2020		0.081	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		
9/15/2020	0.13	0.083	0.064						
2/9/2021				0.12	0.26	0.18	0.054		
2/10/2021	0.12	0.078	0.066						
3/30/2021	0.12								
3/31/2021		0.072	0.059				0.061		
4/1/2021				0.12	0.26	0.17			
8/18/2021	0.12	0.074	0.056	0.13	0.24	0.16			
8/19/2021							0.043		

Time Series

Constituent: Barium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		0.014			
10/17/2018	0.02				
10/18/2018			0.055	0.089	0.1

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
5/11/2016						<0.0025		<0.0025	<0.0025
6/23/2016	0.0002 (J)	<0.0025	<0.0025				<0.0025		
6/24/2016					<0.0025	<0.0025			
6/27/2016				<0.0025					
6/28/2016								<0.0025	<0.0025
8/16/2016	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025		
8/17/2016				<0.0025		<0.0025		<0.0025	<0.0025
10/13/2016	<0.0025		<0.0025						
10/14/2016		<0.0025		<0.0025	<0.0025		<0.0025		
10/17/2016						<0.0025		<0.0025	<0.0025
12/5/2016			<0.0025						
12/6/2016	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
2/15/2017								<0.0025	<0.0025
4/10/2017			<0.0025						
4/11/2017	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
4/12/2017								<0.0025	<0.0025
6/26/2017	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
6/27/2017				<0.0025				<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025		<0.0025				
3/27/2018				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
6/5/2018	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025		
6/6/2018					<0.0025	<0.0025		<0.0025	<0.0025
10/5/2018	<0.0025	<0.0025	<0.0025		<0.0025				
10/8/2018				<0.0025		<0.0025	<0.0025		
10/9/2018								<0.0025	
10/16/2018									<0.0025
2/18/2019	<0.0025	<0.0025				<0.0025			
2/19/2019			<0.0025	<0.0025	<0.0025		<0.0025		
2/20/2019								<0.0025	<0.0025
3/28/2019				<0.0025	<0.0025	<0.0025	<0.0025		
3/29/2019	<0.0025	<0.0025	<0.0025						
4/1/2019								<0.0025	<0.0025
9/12/2019							<0.0025		
9/13/2019			<0.0025						
9/16/2019	0.00028 (J)	<0.0025		<0.0025	<0.0025	<0.0025			<0.0025
9/17/2019								<0.0025	
2/13/2020	0.00031 (J)	<0.0025	<0.0025						
2/17/2020				<0.0025			<0.0025		
2/18/2020					<0.0025	<0.0025			<0.0025
2/19/2020								0.00026 (J)	
3/17/2020		<0.0025		<0.0025	<0.0025		<0.0025		
3/18/2020	0.00029 (J)		<0.0025			0.00018 (J)			
3/25/2020								<0.0025	<0.0025
9/14/2020	0.00051 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/30/2021	0.00025 (J)	<0.0025	<0.0025						
3/31/2021					<0.0025	<0.0025	<0.0025	<0.0025	
4/7/2021				<0.0025					<0.0025
8/17/2021	0.00029 (J)	<0.0025		<0.0025		<0.0025			
8/18/2021			<0.0025		<0.0025		<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.0025								
5/12/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			0.000742 (J)
5/13/2016							<0.0025	<0.0025	
6/28/2016	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025				
6/29/2016						<0.0025		0.0002 (J)	0.0007 (J)
6/30/2016							0.0003 (J)		
8/18/2016	<0.0025	<0.0025	<0.0025	0.00037 (J)	<0.0025	<0.0025			
8/22/2016							<0.0025	<0.0025	0.00074 (J)
10/17/2016	<0.0025	<0.0025	<0.0025						
10/18/2016				<0.0025	<0.0025			<0.0025	0.00075 (J)
10/19/2016						<0.0025	<0.0025		
12/6/2016	<0.0025	<0.0025							
12/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
12/8/2016								<0.0025	0.00093 (J)
2/15/2017	<0.0025	<0.0025	<0.0025	0.00037 (J)		<0.0025			
2/16/2017					<0.0025		<0.0025	<0.0025	0.00091 (J)
4/12/2017	<0.0025	<0.0025	<0.0025	0.00035 (J)					
4/13/2017					<0.0025	<0.0025	<0.0025	<0.0025	0.00065 (J)
6/27/2017	<0.0025	<0.0025	<0.0025	0.0004 (J)	<0.0025	<0.0025			
6/28/2017							<0.0025	<0.0025	0.00073 (J)
3/27/2018	<0.0025	<0.0025	<0.0025	0.00041 (J)	<0.0025	<0.0025			
3/28/2018							0.00036 (J)	<0.0025	0.00079 (J)
6/6/2018	<0.0025								
6/7/2018		<0.0025	<0.0025	0.00038 (J)	<0.0025	<0.0025			0.00086 (J)
6/8/2018							0.00035 (J)	<0.0025	
10/8/2018	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
10/9/2018								<0.0025	
10/16/2018				0.0004 (J)					
10/18/2018							<0.0025		0.00079 (J)
2/20/2019	<0.0025	<0.0025	<0.0025	0.00042 (J)	<0.0025	<0.0025	0.00033 (J)	0.00016 (J)	0.00077 (J)
4/1/2019	<0.0025	<0.0025	<0.0025	0.00034 (J)					
4/2/2019					<0.0025	<0.0025	<0.0025	<0.0025	0.00043 (J)
9/16/2019	<0.0025								
9/17/2019		<0.0025	<0.0025	0.00046 (J)	<0.0025	<0.0025	0.00035 (J)	<0.0025	0.00057 (J)
2/18/2020									0.00052 (J)
2/19/2020	<0.0025	<0.0025	<0.0025	0.00045 (J)	<0.0025	<0.0025		<0.0025	
2/20/2020							0.00049 (J)		
3/23/2020								<0.0025	0.00077 (J)
3/24/2020						<0.0025			
3/26/2020	<0.0025						0.00033 (J)		
3/27/2020		<0.0025	0.00053 (J)	0.00059 (J)	<0.0025				
9/14/2020	<0.0025	<0.0025							
9/15/2020			0.0002 (J)	0.00053 (J)	<0.0025	<0.0025	0.0003 (J)	0.00018 (J)	0.00078 (J)
2/9/2021	<0.0025	<0.0025	<0.0025	0.00044 (J)	<0.0025				
2/10/2021						0.00028 (J)	0.00036 (J)	0.00019 (J)	0.0009 (J)
3/30/2021							0.00025 (J)	0.00018 (J)	0.00058 (J)
3/31/2021				0.00045 (J)					
4/1/2021					<0.0025	<0.0025			
4/6/2021			<0.0025						
4/7/2021	<0.0025	<0.0025							
8/18/2021						<0.0025	0.00035 (J)		
8/19/2021		<0.0025	<0.0025	0.00033 (J)	<0.0025			<0.0025	0.00091 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.0025								

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.0025	<0.0025	<0.0025	<0.0025		
5/12/2016	<0.0025	<0.0025	<0.0025						
6/27/2016				<0.0025	<0.0025	<0.0025			
6/29/2016	<0.0025	<0.0025	<0.0025				<0.0025		
8/17/2016				<0.0025	<0.0025	<0.0025			
8/19/2016		<0.0025	<0.0025						
8/22/2016	<0.0025						<0.0025		
10/17/2016				<0.0025		<0.0025			
10/18/2016	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025		
12/6/2016				<0.0025	<0.0025	<0.0025			
12/7/2016	<0.0025	<0.0025	<0.0025				<0.0025		
2/14/2017				<0.0025	<0.0025	<0.0025			
2/15/2017			<0.0025						
2/16/2017	<0.0025	<0.0025					<0.0025		
4/12/2017				<0.0025	<0.0025	<0.0025			
4/13/2017	<0.0025	<0.0025	<0.0025				<0.0025		
6/27/2017				<0.0025	<0.0025	<0.0025	<0.0025		
6/28/2017	<0.0025	<0.0025	<0.0025						
3/27/2018			<0.0025	<0.0025	<0.0025	<0.0025			
3/28/2018	<0.0025	<0.0025					<0.0025		
6/6/2018				<0.0025	<0.0025	<0.0025	<0.0025		
6/7/2018	<0.0025	<0.0025	<0.0025						
10/8/2018	<0.0025	<0.0025	<0.0025	<0.0025					
10/9/2018					<0.0025	<0.0025	<0.0025		
10/18/2018								<0.0025	<0.0025
2/19/2019		<0.0025	<0.0025						
2/20/2019	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025		
4/1/2019					<0.0025	<0.0025	<0.0025		
4/2/2019	<0.0025	<0.0025	<0.0025	<0.0025					
9/16/2019				<0.0025			<0.0025		
9/17/2019	<0.0025				<0.0025	0.00019 (J)			
9/18/2019		<0.0025	<0.0025						
2/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/19/2020							<0.0025		
3/23/2020	<0.0025								
3/24/2020		<0.0025	<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		
9/15/2020	<0.0025	0.00033 (J)	<0.0025						
2/9/2021				<0.0025	<0.0025	<0.0025	<0.0025		
2/10/2021	<0.0025	<0.0025	<0.0025						
3/30/2021	<0.0025								
3/31/2021		<0.0025	<0.0025				<0.0025		
4/1/2021				<0.0025	<0.0025	<0.0025			
8/18/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
8/19/2021							<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.0025			
10/17/2018	<0.0025				
10/18/2018			<0.0025	<0.0025	<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
5/11/2016						<0.08		0.0275 (J)	0.242
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								0.035 (J)	0.245
8/16/2016	<0.08	<0.08	<0.08		<0.08		<0.08		
8/17/2016				<0.08		<0.08		0.028 (J)	0.26
10/13/2016	<0.08		<0.08						
10/14/2016		<0.08		<0.08	<0.08		<0.08		
10/17/2016						<0.08		0.032 (J)	0.25
12/5/2016			<0.08						
12/6/2016	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08	<0.08	0.27
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		
2/15/2017								0.035 (J)	0.28
4/10/2017			<0.08						
4/11/2017	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08		
4/12/2017								0.052	0.29
6/26/2017	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08		
6/27/2017				<0.08				<0.08	0.29
10/10/2017	<0.08	<0.08	<0.08						
10/11/2017				<0.08	<0.08	<0.08	<0.08		0.31
10/12/2017								0.049 (J)	
6/5/2018	<0.08	<0.08	<0.08	<0.08			<0.08		
6/6/2018					<0.08	<0.08		0.07	0.37
10/16/2018									0.35
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		
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								0.16	0.46
9/12/2019							<0.08		
9/13/2019			<0.08						
9/16/2019	0.13	0.089		<0.08	0.05	<0.08			0.39
9/17/2019								0.077	
3/17/2020		<0.08		<0.08	<0.08		<0.08		
3/18/2020	<0.08		<0.08			<0.08			
3/25/2020								0.12	0.45
9/14/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.082	0.43
3/30/2021	0.041 (J)	0.045 (J)	0.072 (J)						
3/31/2021					<0.08	<0.08	<0.08	0.15	
4/7/2021				<0.08					0.68
8/17/2021	<0.08	<0.08		<0.08		<0.08			
8/18/2021			<0.08		<0.08		<0.08		
8/19/2021								0.091	0.54

Time Series

Constituent: Boron, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.08								
5/12/2016		0.599	1.38	1.57	0.562	0.195			1.99
5/13/2016							3.71	1.87	
6/28/2016	0.0054 (J)	0.52	1.29	1.36	0.546				
6/29/2016						0.198 (J)		1.67	1.88
6/30/2016							3.8		
8/18/2016	<0.08	0.51	1.3	1.5	0.54	0.24			
8/22/2016							3.3	1.7	2
10/17/2016	<0.08	0.58	1.6						
10/18/2016				1.9	0.55			2.1	2.5
10/19/2016						0.37	4.5		
12/6/2016	<0.08	0.5							
12/7/2016			1.5	1.5	0.56	0.4	4.8		
12/8/2016								1.7	1.9
2/15/2017	<0.08	0.5	1.5	1.5		0.38			
2/16/2017					0.58		3.9	2.3	2.3
4/12/2017	<0.08	0.47	1.4	1.7					
4/13/2017					0.56	0.34	3.8	1.9	2
6/27/2017	<0.08	0.51	1.6	1.7	0.56	0.33			
6/28/2017							3.6	1.9	2.3
10/11/2017	<0.08	0.49	1.5						
10/12/2017				1.6	0.57	0.47	3.9	1.9	2.6
6/6/2018	<0.08								
6/7/2018		0.45	1.6	1.7	0.59	0.35			2.1
6/8/2018							4.3	1.8	
10/16/2018				1.5					
10/18/2018							4.9		2.3
12/14/2018	<0.08	0.47	1.4			0.44			
12/17/2018					0.55			1.8	
4/1/2019	<0.08	0.57	1.7	1.6					
4/2/2019					0.53	0.32	5.3	2	2
9/16/2019	<0.08								
9/17/2019		0.43	1.4	1.4	0.55	0.43	5	1.8	1.8
3/23/2020								1.7	1.9
3/24/2020						0.37			
3/26/2020	<0.08						6		
3/27/2020		0.49	1.5	1.4	0.59				
9/14/2020	<0.08	0.49							
9/15/2020			1.5	1.4	0.57	0.38	6.2	1.9	1.8
3/30/2021							6.4	1.9	1.6
3/31/2021				1.4					
4/1/2021					0.55	0.31			
4/6/2021			1.6						
4/7/2021	<0.08	0.59							
8/18/2021						0.32	6.6		
8/19/2021		0.59	1.7	1.6	0.72			2.1	1.9
8/20/2021	0.043 (J)								

Time Series

Constituent: Boron, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.08	0.0359 (J)	0.0678 (J)	1.54		
5/12/2016	1.4	0.411	0.691						
6/27/2016				0.0051 (J)	0.0354 (J)	0.0767 (J)			
6/29/2016	1.25	0.373 (J)	0.557				1.52		
8/17/2016				<0.08	0.039 (J)	0.067			
8/19/2016		0.37	0.58						
8/22/2016	1.3						1.6		
10/17/2016				<0.08		0.059			
10/18/2016	1.7	0.41	0.68		0.039 (J)		2.4		
12/6/2016				<0.08	0.03 (J)	0.054			
12/7/2016	1.3	0.36	0.6				1.6		
2/14/2017				<0.08	0.031 (J)	0.063			
2/15/2017			0.82						
2/16/2017	1.4	0.38 (J)					1.6		
4/12/2017				<0.08	0.039 (J)	0.068			
4/13/2017	1.4	0.4	0.54				1.7		
6/27/2017				<0.08	0.028 (J)	0.067	1.8		
6/28/2017	1.4	0.35	0.59						
10/11/2017				<0.08	0.026 (J)				
10/12/2017	1.4	0.4	0.54			0.075	1.8		
6/6/2018				<0.08	<0.08	0.059	1.8		
6/7/2018	1.4	0.41	0.71						
10/18/2018								3.5	0.82
12/14/2018				<0.08	<0.08	0.064			
12/17/2018	1.2	0.4	0.6				1.6		
4/1/2019					0.025 (J)	0.076	1.7		
4/2/2019	1.2	0.44	0.52	<0.08					
9/16/2019				0.04 (J)			1.6		
9/17/2019	1.1				<0.08	0.11			
9/18/2019		0.52	0.54						
2/13/2020								3.4	
3/23/2020	0.83								
3/24/2020		0.34	0.55						
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		
9/15/2020	1.2	0.5	0.38						
3/30/2021	1.1								
3/31/2021		0.47	0.51				1.5		
4/1/2021				<0.08	0.069 (J)	0.14			
4/5/2021								3.2	
8/18/2021	1.1	0.44	0.42	<0.08	0.047 (J)	0.14			
8/19/2021							1.5	2.2	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.08			
10/17/2018	<0.08				
10/18/2018			0.067	3.8	2.6

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/14/2021 9:01 AM View: Descriptive

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			
8/17/2021	<0.0025	<0.0025		<0.0025		<0.0025	
8/18/2021			<0.0025		<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/14/2021 9:01 AM View: Descriptive

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			
8/19/2021	<0.0025	0.00022 (J)		<0.0025	<0.0025	0.00026 (J)	<0.0025
8/20/2021			<0.0025				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/14/2021 9:01 AM View: Descriptive

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	<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						
8/18/2021	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
8/19/2021			<0.0025	<0.0025			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/14/2021 9:01 AM View: Descriptive

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	
8/18/2021	<0.0025	<0.0025	<0.0025	
8/19/2021				<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	3	10.1	12.3	11.4	6.22		2.64		
5/11/2016						14.4		4.14	2.91
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								3.13	2.19
8/16/2016	2.1	9.4	11		5		1.3		
8/17/2016				9.6		15		4.1	1.9
10/13/2016	2.7		12						
10/14/2016		10		11	5.4		1.4		
10/17/2016						16		4.2	2
12/5/2016			12						
12/6/2016	2.1	10		11	4.8	15	1.4	4.3	1.9
2/14/2017	1.8	11	13	12	4.6	17	1.4		
2/15/2017								1.5	1.9
4/10/2017			12						
4/11/2017	1.8	10		11	5	17	1.4		
4/12/2017								2.2	1.9
6/26/2017	1.7	10	13		4.9	18	1.5		
6/27/2017				9.5				3.1	1.9
10/10/2017	2.3	11	14						
10/11/2017				11	5.5	19	1.6		2
10/12/2017								1.2	
6/5/2018	2.6	11	13	9.7			1.5		
6/6/2018					4.1	18		1.2	1.8
10/16/2018									1.8
12/13/2018	1.7	10	12	9.4	4.3	18	1.4		
12/17/2018								4	
3/28/2019				8.7	4.8	17	1.4		
3/29/2019	2	11	12						
4/1/2019								4.2	1.7
9/12/2019							1.6		
9/13/2019			14						
9/16/2019	1.7	12		9.5	5.9	18			1.9
9/17/2019								0.79	
3/17/2020		11		8.8	5.3		1.7		
3/18/2020	1.8		14			18			
3/25/2020								2.9	2
9/14/2020	1.6	11	14	9.1	5.7	17	1.6	0.75	1.8
3/30/2021	2.2	12	15						
3/31/2021					5.5	17	1.6	2.3	
4/7/2021				9.5					1.9
8/17/2021	1.8	12		9.6		18			
8/18/2021			14		5.9		1.7		
8/19/2021								0.67	1.9

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	23.1								
5/12/2016		16.6	37.7	14.5	0.75	34.8			13.2
5/13/2016							56.9	35.3	
6/28/2016	21	14.4	35.8	14.7	0.768				
6/29/2016						33.1		34.6	15.8
6/30/2016							46.4		
8/18/2016	20	15	37	15	0.7	35			
8/22/2016							48	38	15
10/17/2016	21	15	37						
10/18/2016				16	0.75			36	14
10/19/2016						38.5 (D)	51		
12/6/2016	21	14							
12/7/2016			38	15	0.73	39	50		
12/8/2016								36	11
2/15/2017	23	17	45	17		44			
2/16/2017					0.81		51	41	14
4/12/2017	23	16	39	14					
4/13/2017					0.88	45	35	39	17
6/27/2017	22	15	38	16	0.76	42			
6/28/2017							36	36	15
10/11/2017	23	16	44						
10/12/2017				17	1.1	48	43	39	17
6/6/2018	22								
6/7/2018		15	44	16	0.84	49			11
6/8/2018							90	37	
10/16/2018				16					
10/18/2018							100		12
12/14/2018	21	16	37			46			
12/17/2018					0.94			42	
4/1/2019	20	17	39	16					
4/2/2019					0.92	46	89	38	14
9/16/2019	23								
9/17/2019		17	38	17	1	51	87	44	14
3/23/2020								46	13
3/24/2020						58			
3/26/2020	22						81		
3/27/2020		18	41	17	1.5				
9/14/2020	22	19							
9/15/2020			40	17	1.1	54	74	47	14
3/30/2021							68	50	14
3/31/2021				17					
4/1/2021					1.2	57			
4/6/2021			42						
4/7/2021	23	19							
8/18/2021						55	55		
8/19/2021		20	40	17	1.1			45	12
8/20/2021	23								

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				8.7	27.2	47.6	53.1		
5/12/2016	28.7	21.9	27.6						
6/27/2016				7.48	27.9	47			
6/29/2016	27.9	21.8	25.6				52.6		
8/17/2016				8	23	45			
8/19/2016		22	29						
8/22/2016	30						57		
10/17/2016				8.6		47			
10/18/2016	30	23	32		24		53		
12/6/2016				8.2	23	45			
12/7/2016	29	23	30				47		
2/14/2017				7.2	24	49			
2/15/2017			32						
2/16/2017	31	27					55		
4/12/2017				6.7	25	50			
4/13/2017	32	27	31				56		
6/27/2017				6.2	23	50	53		
6/28/2017	29	25	27						
10/11/2017				6.5	22				
10/12/2017	31	27	31			51	55		
6/6/2018				4.2	19	51	54		
6/7/2018	29	26	25						
10/18/2018								120	44
12/14/2018				6.5	16	46			
12/17/2018	29	28	24				55		
4/1/2019					18	45	50		
4/2/2019	27	26	23	6.7					
9/16/2019				8.9			56		
9/17/2019	30				16	52			
9/18/2019		27	26						
3/23/2020	36								
3/24/2020		31	22						
3/25/2020				11		48	55		
3/26/2020					21				
9/14/2020				10	20	49	45		
9/15/2020	38	28	21						
3/30/2021	41								
3/31/2021		30	24				47		
4/1/2021				11	22	52			
8/18/2021	39	30	21	11	22	49			
8/19/2021							34		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		21			
10/17/2018	22				
10/18/2018			33	120	64

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	1.9	1.51	1.94	2.77	3.45		1.98		
5/11/2016						1.93		9.53	8.87
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								9.1	8.3
8/16/2016	2.1	1.5	2		3.4		1.8		
8/17/2016				2.4		1.4		9.4	8.6
10/13/2016	2		1.9						
10/14/2016		1.4		2.1	3.1		1.8		
10/17/2016						1.2		8.9	7.9
12/5/2016			1.9						
12/6/2016	2.2	1.5		1.7	3	1.3	1.8	8.9	7.9
2/14/2017	2	1.5	1.9	1.5	2.4	1.3	1.8		
2/15/2017								9	7.2
4/10/2017			1.8						
4/11/2017	1.8	1.3		1.7	2.5	1.2	1.7		
4/12/2017								8.5	7.5
6/26/2017	1.9	1.4	1.9		2.6	1.2	1.7		
6/27/2017				2.2				9.1	7.8
10/10/2017	1.8	1.3	1.8						
10/11/2017				1.7	2.4	1.1	1.6		7.4
10/12/2017								8.5	
6/5/2018	1.7	1.3	1.9	2			1.6		
6/6/2018					2	1.1		8.6	7.5
10/16/2018									7.8
12/13/2018	1.7	1.3	2	1.9	2	1.2	1.7		
12/17/2018								8.6	
3/28/2019				2.2	2	1.2	1.7		
3/29/2019	1.5	1.2	1.8						
4/1/2019								7.8	7.4
9/12/2019							1.5		
9/13/2019			1.7						
9/16/2019	1.8	1.3		1.9	2.2	1.2			7.9
9/17/2019								9.7	
3/17/2020		1.6		2.4	2.1		1.9		
3/18/2020	2		2.4			1.5			
3/25/2020								8.8	9
9/14/2020	2.1	1.5	2.5	2.7	2.5	1.5	1.9	10	8.9
3/30/2021	2.3	1.6	2.5						
3/31/2021					2.3	1.6	2.1	9.2	
4/7/2021				2.3					8.8
8/17/2021	1.9	1.6		2.6		1.6			
8/18/2021			2.7		2.4		2.2		
8/19/2021								9.3	9.9

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	9.04								
5/12/2016		6.29	11.1	9.47	8.56	9.11			10.8
5/13/2016							4.87	8.16	
6/28/2016	8.8	5.4	10	9.8	7.8				
6/29/2016						8.3		7.6	11
6/30/2016							4.7		
8/18/2016	9.3	5.8	11	10	8.5	8.8			
8/22/2016							5	8.2	11
10/17/2016	8.3	5.4	11						
10/18/2016				9.4	8			7.7	10
10/19/2016						8.3	5.1		
12/6/2016	8.9	5.6							
12/7/2016			11	9.8	8	8.4	5.6		
12/8/2016								7.8	9.7
2/15/2017	8.7	5.4	11	9.8		8.1			
2/16/2017					7.7		7.4	7.4	9.8
4/12/2017	8.6	5.6	10	9.2					
4/13/2017					7.5	7.9	8.9	7.5	10
6/27/2017	9.3	5.9	11	9.5	8	8.3			
6/28/2017							10	7.9	12
10/11/2017	8.8	5.7	10						
10/12/2017				9.2	7.6	8	7.4	7.4	11
6/6/2018	8.8								
6/7/2018		6.2	10	9.3	7.7	8			9.9
6/8/2018							9	7.2	
10/16/2018				10					
10/18/2018							16		11
12/14/2018	9.1	7.5	10			8.1			
12/17/2018					8.1			7.3	
4/1/2019	9	7.7	9.9	9.2					
4/2/2019					8.2	8.2	15	7.3	11
9/16/2019	9.3								
9/17/2019		8.4	11	10	8.4	8.3	13	7.4	11
3/23/2020								7.7	10
3/24/2020						7.8			
3/26/2020	9.4						12		
3/27/2020		9	11	10	8.5				
9/14/2020	10	11							
9/15/2020			11	10	8.6	8.4	11	7.7	11
3/30/2021							11	8.3	9.9
3/31/2021				11					
4/1/2021					9.2	9.2			
4/6/2021			11						
4/7/2021	9	10							
8/18/2021						8.9	15		
8/19/2021		12	11	11	9.5			9.4	10
8/20/2021	9.9								

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				2.44	9.65	12.6	9.29		
5/12/2016	7.93	10.6	9.63						
6/27/2016				2.5	6.7	13			
6/29/2016	7.7	9.7	8.8				9		
8/17/2016				2.4	6.4	14			
8/19/2016		11	9.6						
8/22/2016	7.9						9.7		
10/17/2016				2.3		12			
10/18/2016	7.1	10	9.6		5.9		9.4		
12/6/2016				2.3	5.9	12			
12/7/2016	7.7	10	9.7				11		
2/14/2017				1.9	5.8	12			
2/15/2017			10						
2/16/2017	7.4	9.8					9.5		
4/12/2017				1.6	5.6	11			
4/13/2017	7.4	9.6	9				8.7		
6/27/2017				1.6	5.7	12	9.9		
6/28/2017	8.1	10	9.6						
10/11/2017				1.6	5				
10/12/2017	8.1	9.7	9.3			11	11		
6/6/2018				1.3	4.6	11	12		
6/7/2018	8.6	10	10						
10/18/2018								6.8	6.3
12/14/2018				1.8	4.2	11			
12/17/2018	9.3	10	9.9				13		
4/1/2019					4.6	10	13		
4/2/2019	9.3	10	8.9	2					
9/16/2019				1.9			14		
9/17/2019	10				3.8	12			
9/18/2019		10	9.7						
3/23/2020	11								
3/24/2020		10	9.1						
3/25/2020				2.3		10	15		
3/26/2020					5.1				
9/14/2020				2.8	5.8	14	19		
9/15/2020	12	11	10						
3/30/2021	13								
3/31/2021		11	11				16		
4/1/2021				2.4	6	12			
8/18/2021	13	11	11	2.5	5	14			
8/19/2021							18		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		4.3			
10/17/2018	8.3				
10/18/2018			5.5	9.3	12

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.002	0.0142	0.00393 (J)	<0.002	0.00634 (J)		<0.002		
5/11/2016						0.00217 (J)		<0.002	<0.002
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					
6/28/2016								<0.002	<0.002
8/16/2016	<0.002	0.0099	0.0038		0.0071		<0.002		
8/17/2016				<0.002		0.0011 (J)		<0.002	<0.002
10/13/2016	<0.002		0.0031						
10/14/2016		0.0045		<0.002	0.0067		0.0012 (J)		
10/17/2016						0.0032		<0.002	<0.002
12/5/2016			0.0027						
12/6/2016	<0.002	0.0043		<0.002	0.0063	0.0028	<0.002	<0.002	<0.002
2/14/2017	<0.002	0.014	0.0037	<0.002	0.0076	0.0046	<0.002		
2/15/2017								<0.002	<0.002
4/10/2017			0.0037						
4/11/2017	<0.002	0.014		<0.002	0.0098	0.005	<0.002		
4/12/2017								<0.002	<0.002
6/26/2017	<0.002	0.014	0.0047		0.012	0.0061	0.0021 (J)		
6/27/2017				<0.002				<0.002	<0.002
3/26/2018	<0.002	0.013	0.0042		0.012				
3/27/2018				<0.002		0.0058	<0.002	<0.002	<0.002
6/5/2018	0.0014 (J)	0.014	0.0046	<0.002			<0.002		
6/6/2018					0.015	0.0048		<0.002	<0.002
10/5/2018	0.0014 (J)	0.016	0.0058		0.015				
10/8/2018				<0.002		0.0098	0.0011 (J)		
10/9/2018								<0.002	
10/16/2018									<0.002
2/18/2019	0.0017 (J)	0.012				0.0059			
2/19/2019			0.0038	<0.002	0.014		<0.002		
2/20/2019								<0.002	<0.002
3/28/2019				<0.002	0.013	0.0046	<0.002		
3/29/2019	0.0017 (J)	0.014	0.0043						
4/1/2019								<0.002	<0.002
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			<0.002
9/17/2019								<0.002	
2/13/2020	<0.002	0.011	0.0036						
2/17/2020				<0.002			<0.002		
2/18/2020					0.02	0.0062			<0.002
2/19/2020								<0.002	
3/17/2020		0.014		<0.002	0.018		<0.002		
3/18/2020	0.0024		0.0047			0.0047			
3/25/2020								<0.002	<0.002
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	<0.002	<0.002
2/9/2021	<0.002	0.014	0.0052	0.0023	0.019	0.0053	<0.002	<0.002	<0.002
3/30/2021	0.0026	0.014	0.0047						
3/31/2021					0.018	0.0037	<0.002	<0.002	
4/7/2021				0.0024					<0.002
8/17/2021	<0.002	0.013		0.0047		0.0053			

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/18/2021			0.0056		0.02		<0.002		
8/19/2021								<0.002	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.002								
5/12/2016		<0.002	<0.002	0.0335	0.00943 (J)	0.0077 (J)			<0.002
5/13/2016							0.00771 (J)	0.0151	
6/28/2016	<0.002	<0.002	0.0008 (J)	0.0339	0.0093 (J)				
6/29/2016						0.0036 (J)		0.0141	0.0009 (J)
6/30/2016							0.007 (J)		
8/18/2016	<0.002	<0.002	<0.002	0.034	0.0085	0.0027			
8/22/2016							0.007	0.015	<0.002
10/17/2016	0.0023 (J)	<0.002	0.0012 (J)						
10/18/2016				0.033	0.0088			0.013	<0.002
10/19/2016						0.00335 (D)	0.0064		
12/6/2016	<0.002	<0.002							
12/7/2016			0.0012 (J)	0.032	0.0079	0.0027	0.0063		
12/8/2016								0.013	<0.002
2/15/2017	<0.002	<0.002	<0.002	0.03		0.0044			
2/16/2017					0.0097		0.007	0.015	<0.002
4/12/2017	<0.002	<0.002	<0.002	0.035					
4/13/2017					0.0098	0.0047	0.0061	0.016	<0.002
6/27/2017	<0.002	<0.002	<0.002	0.035	0.0096	0.0029			
6/28/2017							0.0059	0.016	<0.002
3/27/2018	<0.002	<0.002	<0.002	0.031	0.0098	0.0045			
3/28/2018							0.0082	0.014	<0.002
6/6/2018	<0.002								
6/7/2018		<0.002	<0.002	0.032	0.01	0.0083			<0.002
6/8/2018							0.0086	0.015	
10/8/2018	<0.002	<0.002	<0.002		0.013	0.0055			
10/9/2018								0.017	
10/16/2018				0.032					
10/18/2018							0.009		<0.002
2/20/2019	<0.002	<0.002	0.0016 (J)	0.038	0.013	0.0061	0.011	0.017	<0.002
4/1/2019	<0.002	<0.002	<0.002	0.032					
4/2/2019					0.01	0.004	0.0092	0.014	<0.002
9/16/2019	<0.002								
9/17/2019		0.0017 (J)	0.0026	0.037	0.013	0.0078	0.011	0.017	0.0022 (J)
2/18/2020									<0.002
2/19/2020	<0.002	<0.002	<0.002	0.038	0.014	0.0045		0.017	
2/20/2020							0.011		
3/23/2020								0.015	<0.002
3/24/2020						0.0079			
3/26/2020	<0.002						0.0096		
3/27/2020		<0.002	0.0019 (J)	0.034	0.011				
9/14/2020	<0.002	<0.002							
9/15/2020			<0.002	0.034	0.012	0.0091	0.01	0.015	<0.002
2/9/2021	<0.002	<0.002	<0.002	0.035	0.012				
2/10/2021						0.008	0.01	0.015	<0.002
3/30/2021							0.0098	0.014	<0.002
3/31/2021				0.034					
4/1/2021					0.012	0.0046			
4/6/2021			<0.002						
4/7/2021	<0.002	<0.002							
8/18/2021						0.012	0.019		
8/19/2021		<0.002	<0.002	0.032	0.011			0.014	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.002								

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.002	<0.002	<0.002	<0.002		
5/12/2016	<0.002	<0.002	<0.002						
6/27/2016				<0.002	<0.002	<0.002			
6/29/2016	0.0012 (J)	0.0007 (J)	0.0013 (J)				<0.002		
8/17/2016				<0.002	<0.002	<0.002			
8/19/2016		<0.002	<0.002						
8/22/2016	<0.002						<0.002		
10/17/2016				<0.002		<0.002			
10/18/2016	<0.002	<0.002	<0.002		<0.002		<0.002		
12/6/2016				<0.002	<0.002	<0.002			
12/7/2016	<0.002	<0.002	<0.002				<0.002		
2/14/2017				<0.002	<0.002	<0.002			
2/15/2017			<0.002						
2/16/2017	<0.002	<0.002					<0.002		
4/12/2017				<0.002	<0.002	0.0011 (J)			
4/13/2017	<0.002	<0.002	0.0014 (J)				<0.002		
6/27/2017				<0.002	<0.002	<0.002	<0.002		
6/28/2017	<0.002	<0.002	0.0025						
3/27/2018			0.0012 (J)	<0.002	<0.002	0.0012 (J)			
3/28/2018	<0.002	<0.002					<0.002		
6/6/2018				<0.002	<0.002	0.0013 (J)	<0.002		
6/7/2018	<0.002	<0.002	<0.002						
10/8/2018	<0.002	0.0012 (J)	0.0017 (J)	<0.002					
10/9/2018					<0.002	0.0016 (J)	<0.002		
10/18/2018								<0.002	<0.002
2/19/2019		<0.002	<0.002						
2/20/2019	0.0015 (J)			<0.002	<0.002	0.0021 (J)	<0.002		
4/1/2019					<0.002	0.0013 (J)	<0.002		
4/2/2019	<0.002	0.0012 (J)	0.0011 (J)	<0.002					
9/16/2019				<0.002			<0.002		
9/17/2019	0.0016 (J)				<0.002	0.0031			
9/18/2019		0.0024 (J)	0.0024 (J)						
2/18/2020	<0.002	0.0015 (J)	<0.002	<0.002	<0.002	0.0015 (J)			
2/19/2020							<0.002		
3/23/2020	<0.002								
3/24/2020		<0.002	<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		
9/15/2020	0.002	0.0025	0.0017 (J)						
2/9/2021				<0.002	<0.002	<0.002	<0.002		
2/10/2021	<0.002	0.0015 (J)	0.0017 (J)						
3/30/2021	<0.002								
3/31/2021		<0.002	0.0016 (J)				<0.002		
4/1/2021				<0.002	<0.002	<0.002			
8/18/2021	0.0022	<0.002	0.0019 (J)	<0.002	0.0026	<0.002			
8/19/2021							<0.002		

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		0.0046			
10/17/2018	0.0027				
10/18/2018			0.0049	<0.002	<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	0.0184	<0.0025	<0.0025	0.0132	<0.0025		<0.0025		
5/11/2016						<0.0025		0.0191	0.0378
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)					
6/28/2016								0.0192	0.0332
8/16/2016	0.016	<0.0025	<0.0025		0.00051 (J)		<0.0025		
8/17/2016				0.01		0.00041 (J)		0.022	0.03
10/13/2016	0.02		0.0004 (J)						
10/14/2016		<0.0025		0.013	<0.0025		<0.0025		
10/17/2016						<0.0025		0.05	0.032
12/5/2016			<0.0025						
12/6/2016	0.016	<0.0025		0.016	<0.0025	<0.0025	<0.0025	0.04	0.029
2/14/2017	0.011	<0.0025	<0.0025	0.018	<0.0025	<0.0025	<0.0025		
2/15/2017								0.038	0.029
4/10/2017			<0.0025						
4/11/2017	0.0098	<0.0025		0.015	<0.0025	<0.0025	<0.0025		
4/12/2017								0.018	0.028
6/26/2017	0.01	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
6/27/2017				0.0088				0.014	0.029
3/26/2018	0.0065	<0.0025	<0.0025		<0.0025				
3/27/2018				0.014		<0.0025	<0.0025	0.026	0.024
6/5/2018	0.0028	<0.0025	<0.0025	0.0095			<0.0025		
6/6/2018					<0.0025	<0.0025		0.018	0.026
10/5/2018	0.00075 (J)	<0.0025	0.00058 (J)		<0.0025				
10/8/2018				0.0047		<0.0025	<0.0025		
10/9/2018								0.03	
10/16/2018									0.023
2/18/2019	0.0008 (J)	<0.0025				<0.0025			
2/19/2019			<0.0025	0.005	<0.0025		<0.0025		
2/20/2019								0.034	0.024
3/28/2019				0.0042	<0.0025	<0.0025	<0.0025		
3/29/2019	0.00072 (J)	<0.0025	<0.0025						
4/1/2019								0.025	0.021
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			0.022
9/17/2019								0.022	
2/13/2020	0.0014 (J)	<0.0025	<0.0025						
2/17/2020				0.0044			<0.0025		
2/18/2020					<0.0025	<0.0025			0.018
2/19/2020								0.027	
3/17/2020		<0.0025		0.0039	<0.0025		<0.0025		
3/18/2020	0.0021 (J)		0.00016 (J)			0.00032 (J)			
3/25/2020								0.029	0.024
9/14/2020	0.0013 (J)	<0.0025	0.00031 (J)	0.002 (J)	<0.0025	<0.0025	<0.0025	0.022	0.019
2/9/2021	0.0013 (J)	<0.0025	0.00023 (J)	0.0011 (J)	<0.0025	<0.0025	<0.0025	0.03	0.019
3/30/2021	0.0013 (J)	0.00021 (J)	<0.0025						
3/31/2021					<0.0025	<0.0025	<0.0025	0.026	
4/7/2021				0.0013 (J)					0.019
8/17/2021	0.00072 (J)	<0.0025		0.0011 (J)		<0.0025			
8/18/2021			0.00057 (J)		<0.0025		<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								0.022	0.014

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	0.00648 (J)								
5/12/2016		0.0145	0.00605 (J)	0.267	0.00303 (J)	<0.0025			0.261
5/13/2016							0.116	<0.0025	
6/28/2016	0.0051 (J)	0.011	0.0115	0.255	0.0029 (J)				
6/29/2016						0.0007 (J)		0.0006 (J)	0.23
6/30/2016							0.112		
8/18/2016	0.0035	0.0099	0.011	0.26	0.0029	0.00078 (J)			
8/22/2016							0.13	0.00066 (J)	0.25
10/17/2016	0.003	0.01	0.017						
10/18/2016				0.28	0.0034			0.00095 (J)	0.26
10/19/2016						0.000845 (JD)	0.14		
12/6/2016	0.0036	0.0079							
12/7/2016			0.0043	0.26	0.003	0.00056 (J)	0.11		
12/8/2016								0.00078 (J)	0.26
2/15/2017	0.004	0.0073	0.0059	0.24		0.00069 (J)			
2/16/2017					0.0033		0.11	0.00049 (J)	0.23
4/12/2017	0.0039	0.0078	0.017	0.28					
4/13/2017					0.0034	0.00049 (J)	0.094	<0.0025	0.19
6/27/2017	0.0042	0.0068	0.013	0.29	0.0037	0.00041 (J)			
6/28/2017							0.085	<0.0025	0.19
3/27/2018	0.0035	0.0035	0.0083	0.27	0.0037	<0.0025			
3/28/2018							0.16	<0.0025	0.18
6/6/2018	0.0038								
6/7/2018		0.0039	0.0025	0.3	0.0037	<0.0025			0.21
6/8/2018							0.19	<0.0025	
10/8/2018	0.0037	0.0036	0.0071		0.0044	0.00046 (J)			
10/9/2018								<0.0025	
10/16/2018				0.27					
10/18/2018							0.21		0.16
2/20/2019	0.0032	0.004	0.011	0.26	0.0038	0.00035 (J)	0.19	0.00012 (J)	0.18
4/1/2019	0.0029	0.003	0.014	0.26					
4/2/2019					0.0041	<0.0025	0.18	<0.0025	0.13
9/16/2019	0.003								
9/17/2019		0.0024 (J)	0.0096	0.27	0.0042	0.00048 (J)	0.16	0.00013 (J)	0.13
2/18/2020									0.12
2/19/2020	0.0027	0.0018 (J)	0.0099	0.28	0.0047	0.00034 (J)		0.00015 (J)	
2/20/2020							0.14		
3/23/2020								<0.0025	0.22
3/24/2020						0.00044 (J)			
3/26/2020	0.0024 (J)						0.15		
3/27/2020		0.002 (J)	0.0093	0.28	0.0047				
9/14/2020	0.001 (J)	0.0022 (J)							
9/15/2020			0.0076	0.25	0.0043	0.00041 (J)	0.12	0.00016 (J)	0.098
2/9/2021	0.0014 (J)	0.0024 (J)	0.0052	0.26	0.0045				
2/10/2021						0.00049 (J)	0.11	0.00013 (J)	0.17
3/30/2021							0.11	<0.0025	0.15
3/31/2021				0.26					
4/1/2021					0.0049	0.00041 (J)			
4/6/2021			0.0072						
4/7/2021	0.0017 (J)	0.0018 (J)							
8/18/2021						0.00043 (J)	0.095		
8/19/2021		0.0021 (J)	0.0047	0.27	0.0051			<0.0025	0.2

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	0.0019 (J)								

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.0025	0.0116	0.00265 (J)	0.0156		
5/12/2016	<0.0025	0.00619 (J)	<0.0025						
6/27/2016				0.002 (J)	0.0143	0.0012 (J)			
6/29/2016	<0.0025	0.0051 (J)	<0.0025				0.0147		
8/17/2016				0.0018 (J)	0.012	0.00049 (J)			
8/19/2016		0.0045	<0.0025						
8/22/2016	<0.0025						0.017		
10/17/2016				0.0016 (J)		<0.0025			
10/18/2016	<0.0025	0.0043	<0.0025		0.0099		0.017		
12/6/2016				0.0012 (J)	0.011	<0.0025			
12/7/2016	<0.0025	0.0034	<0.0025				0.014		
2/14/2017				0.0022 (J)	0.0093	<0.0025			
2/15/2017			<0.0025						
2/16/2017	<0.0025	0.0031					0.014		
4/12/2017				0.0023 (J)	0.0062	<0.0025			
4/13/2017	<0.0025	0.0031	<0.0025				0.014		
6/27/2017				0.0045	0.021	<0.0025	0.013		
6/28/2017	<0.0025	0.0029	<0.0025						
3/27/2018			<0.0025	0.004	0.0054	<0.0025			
3/28/2018	<0.0025	0.0022 (J)					0.0087		
6/6/2018				0.0021 (J)	0.0034	<0.0025	0.0064		
6/7/2018	<0.0025	0.0022 (J)	<0.0025						
10/8/2018	<0.0025	0.0021 (J)	<0.0025	<0.0025					
10/9/2018					0.013	<0.0025	0.0049		
10/18/2018								0.0092	0.0086
2/19/2019		0.0018 (J)	<0.0025						
2/20/2019	0.00011 (J)			0.00011 (J)	0.0057	0.00014 (J)	0.01		
4/1/2019					0.0046	<0.0025	0.01		
4/2/2019	<0.0025	0.0018 (J)	<0.0025	<0.0025					
9/16/2019				0.00013 (J)			0.001 (J)		
9/17/2019	8.7E-05 (J)				0.0039	0.00013 (J)			
9/18/2019		0.002 (J)	0.00013 (J)						
2/18/2020	0.00014 (J)	0.0018 (J)	<0.0025	<0.0025	0.0067	<0.0025			
2/19/2020							0.0082		
3/23/2020	0.00016 (J)								
3/24/2020		0.0016 (J)	<0.0025						
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)		
9/15/2020	0.00022 (J)	0.0014 (J)	<0.0025						
2/9/2021				<0.0025	0.0069	<0.0025	0.0032		
2/10/2021	0.00017 (J)	0.0015 (J)	<0.0025						
3/30/2021	0.00016 (J)								
3/31/2021		0.0011 (J)	<0.0025				0.0046		
4/1/2021				<0.0025	0.0029	<0.0025			
4/5/2021								0.0012 (J)	
4/7/2021									0.00097 (J)
8/18/2021	0.00016 (J)	0.001 (J)	<0.0025	0.00024 (J)	0.0021 (J)	0.00021 (J)			0.00025 (J)
8/19/2021							0.00072 (J)	0.0013 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018				0.0021 (J)			
10/17/2018	0.00051 (J)						
10/18/2018					<0.0025	0.0076	0.0064
9/18/2020			0.0057				
4/2/2021	0.0003 (J)	0.00019 (J)	0.007				
8/18/2021		0.0003 (J)					
8/19/2021	0.00028 (J)						
8/20/2021			0.006				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
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)		0.26 (U)	0.182 (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)					
6/28/2016								1.57	0.858
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)		0.548 (U)	0.367 (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)		-0.0725 (U)	0.551
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)	0.496	0.438
2/14/2017	0.352 (U)	0.111 (U)	0.237 (U)	0.302 (U)	-0.026 (U)	-0.0166 (U)	0.207 (U)		
2/15/2017								0.321 (U)	-0.0831 (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)		
4/12/2017								-0.0397 (U)	0.343 (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)				0.47	0.369
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)	0.136 (U)	0.172 (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		0.123 (U)	0.153 (U)
10/5/2018	0.522	0.474	0.568		0.5				
10/8/2018				0.478		-0.0974 (U)	0.764		
10/9/2018								0.387	
10/16/2018									1.06
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)		
2/20/2019								0.0159 (U)	0.708
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)						
4/1/2019								0.452	0.173 (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)			0.251 (U)
9/17/2019								0.226 (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)			0.203 (U)
2/19/2020								0.0222 (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)			
3/25/2020								0.253 (U)	0.204 (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)	0.125 (U)	-0.0264 (U)
2/9/2021	0.225 (U)	0.0251 (U)	0.151 (U)	0.478	0.259 (U)	0.0123 (U)	0.0364 (U)	-0.0573 (U)	0.114 (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)	0.188 (U)	
4/7/2021				0.0851 (U)					0.0576 (U)
8/17/2021	0.651	0.192 (U)		0.228 (U)		1.54			
8/18/2021			0.16 (U)		0.228 (U)		0.242 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								0.102 (U)	0.755

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	0.433								
5/12/2016		0.0531 (U)	0.106 (U)	0.344 (U)	0.0196 (U)	0.134 (U)			0.556
5/13/2016							0.103 (U)	-0.115 (U)	
6/28/2016	0.435 (U)	0.483 (U)	0.735 (U)	0.256 (U)	0.418 (U)				
6/29/2016						0.391 (U)		0.396 (U)	0.162 (U)
6/30/2016							0.593 (U)		
8/18/2016	0.214 (U)	0.286 (U)	0.212 (U)	0.503 (U)	0.199 (U)	0.498 (U)			
8/22/2016							0.17 (U)	-0.102 (U)	0.433 (U)
10/17/2016	0.316 (U)	0.472	-0.187 (U)						
10/18/2016				0.171 (U)	0.0404 (U)			0.352 (U)	0.741
10/19/2016						0.639	0.433		
12/6/2016	0.0575 (U)	0.903							
12/7/2016			0.701	0.375 (U)	0.426	0.239 (U)	0.435 (U)		
12/8/2016								0.431 (U)	1.06
2/15/2017	-0.0321 (U)	-0.223 (U)	0.155 (U)	0.0801 (U)		0.175 (U)			
2/16/2017					0.163 (U)		0.101 (U)	0.146 (U)	0.382 (U)
4/12/2017	0.00949 (U)	0.21 (U)	0.233 (U)	0.197 (U)					
4/13/2017					0.0522 (U)	-0.00846 (U)	-0.0014 (U)	0.127 (U)	0.189 (U)
6/27/2017	0.183 (U)	0.0574 (U)	0.302	0.0274 (U)	0.222 (U)	0.186 (U)			
6/28/2017							0.512	0.11 (U)	0.84
3/27/2018	0.445	0.145 (U)	0.306 (U)	0.285 (U)	0.387 (U)	0.249 (U)			
3/28/2018							0.428	0.247 (U)	0.334 (U)
6/6/2018	0.0775 (U)								
6/7/2018		0.235 (U)	0.211 (U)	0.64	0.283 (U)	0.172 (U)			0.235 (U)
6/8/2018							0.32 (U)	0.0462 (U)	
10/8/2018	0.865	0.64	0.636		0.799	0.682			
10/9/2018								0.584	
10/16/2018				0.731					
10/18/2018							0.304 (U)		0.399
2/20/2019	0.161 (U)	0.222 (U)	0.147 (U)	0.573	0.0684 (U)	0.278 (U)	0.139 (U)	0.114 (U)	0.353
4/1/2019	0.372	0.36	-0.138 (U)	0.0499 (U)					
4/2/2019					0.167 (U)	-0.0476 (U)	0.336 (U)	0.11 (U)	0.271 (U)
9/16/2019	0.569 (U)								
9/17/2019		0.143 (U)	0.264 (U)	0.441 (U)	0.558	0.235 (U)	0.449	0.302 (U)	0.591
2/18/2020									0.474
2/19/2020	0.166 (U)	0.218 (U)	0.0061 (U)	0.415 (U)	0.0321 (U)	0.217 (U)		0.308 (U)	
2/20/2020							0.22 (U)		
3/23/2020								0.171 (U)	0.258 (U)
3/24/2020						0.426			
3/26/2020	0.604						0.366 (U)		
3/27/2020		0.235 (U)	0.206 (U)	0.39 (U)	0.305 (U)				
9/14/2020	0.575	0.613							
9/15/2020			0.131 (U)	0.546	-0.0426 (U)	0.661	1.74	1.55	0.831
2/9/2021	0.146 (U)	0.307 (U)	-0.121 (U)	0.222 (U)	-0.00967 (U)				
2/10/2021						0.55	0.423 (U)	0.235 (U)	0.331 (U)
3/30/2021							0.439 (U)	0.511	0.572
3/31/2021				0.311 (U)					
4/1/2021					0.0901 (U)	0.0517 (U)			
4/6/2021			-0.0391 (U)						
4/7/2021	0.0695 (U)	0.356 (U)							
8/18/2021						0.13 (U)	0.277 (U)		
8/19/2021		0.228 (U)	-0.0806 (U)	0.518	0.037 (U)			-0.0514 (U)	-0.21 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	0.0109 (U)								

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				0.0394 (U)	0.214 (U)	2.05	0.134 (U)		
5/12/2016	0.216 (U)	0.285 (U)	0.801						
6/27/2016				0.624 (U)	0.581 (U)	2.9			
6/29/2016	0.253 (U)	1.1	0.423 (U)				0.665 (U)		
8/17/2016				0.572	0.665	2.57			
8/19/2016		0.367 (U)	0.869						
8/22/2016	0.115 (U)						0.391 (U)		
10/17/2016				0.307 (U)		2.08			
10/18/2016	0.593	0.276 (U)	0.881		0.453		0.521		
12/6/2016				0.122 (U)	0.368 (U)	2.25			
12/7/2016	0.897	0.318 (U)	0.455				0.367 (U)		
2/14/2017				0.166 (U)	0.328 (U)	1.77			
2/15/2017			0.635						
2/16/2017	0.132 (U)	0.168 (U)					0.076 (U)		
4/12/2017				0.355 (U)	0.206 (U)	2.72			
4/13/2017	0.287 (U)	0.3 (U)	0.413				0.239 (U)		
6/27/2017				0.0783 (U)	0.598	2.07	0.268 (U)		
6/28/2017	0.143 (U)	0.0844 (U)	0.331 (U)						
3/27/2018			0.61	0.0443 (U)	0.546	2.3			
3/28/2018	0.38	0.0661 (U)					0.378		
6/6/2018				0.127 (U)	0.165 (U)	1.59	-0.0272 (U)		
6/7/2018	0.514	0.222 (U)	0.64						
10/8/2018	0.374	0.499	0.437	0.77					
10/9/2018					0.385	3.01	0.565		
10/18/2018								0.698	1.64
2/19/2019		0.532	0.301 (U)						
2/20/2019	0.239 (U)			0.25 (U)	0.433	2.5	0.425		
4/1/2019					0.675	1.91	-0.0113 (U)		
4/2/2019	0.218 (U)	0.313 (U)	0.516	0.3 (U)					
9/16/2019				0.0805 (U)			-0.116 (U)		
9/17/2019	-0.04 (U)				0.341 (U)	2.04			
9/18/2019		0.101 (U)	0.285 (U)						
2/18/2020	0.287 (U)	0.0109 (U)	0.399	-0.0675 (U)	0.326 (U)	2.06			
2/19/2020							0.0604 (U)	0.216 (U)	
3/23/2020	0.384								
3/24/2020		0.188 (U)	0.183 (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)		
9/15/2020	1.6	1.82	1.03						
2/9/2021				0.273 (U)	0.721	2.92	0.0162 (U)		
2/10/2021	0.5	0.167 (U)	0.46						
3/30/2021	0.955								
3/31/2021		0.0687 (U)	0.37 (U)				0.153 (U)		
4/1/2021				0.544	0.329 (U)	2.26			
8/18/2021	0.505	0.026 (U)	0.603	-0.0332 (U)	0.726	1.68			
8/19/2021							0.145 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-14S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018			0.551 (U)			
10/17/2018	0.0623 (U)					
10/18/2018				0.882	1.59	0.188 (U)
2/18/2020		0.163 (U)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
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)		0.019 (J)	0.033 (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)					
6/28/2016								<0.1	0.08 (J)
8/16/2016	<0.1	<0.1	<0.1		<0.1		<0.1		
8/17/2016				<0.1		<0.1		<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		<0.1	<0.1
12/5/2016			<0.1						
12/6/2016	<0.1	<0.1		<0.1	<0.1	0.091 (J)	<0.1	<0.1	<0.1
2/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 (J)	<0.1		
2/15/2017								<0.1	<0.1
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
6/26/2017	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1		
6/27/2017				<0.1				<0.1	<0.1
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
6/5/2018	<0.1	<0.1	<0.1	<0.1			<0.1		
6/6/2018					<0.1	<0.1		<0.1	<0.1
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
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
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)						
4/1/2019								<0.1	<0.1
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)			<0.1
9/17/2019								<0.1	
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)			<0.1
2/19/2020								<0.1	
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			
3/25/2020								0.031 (J)	0.058 (J)
9/14/2020	<0.1	0.033 (J)	0.038 (J)	0.028 (J)	<0.1	0.035 (J)	<0.1	<0.1	<0.1
2/9/2021	<0.1	0.055 (J)	0.059 (J)	0.037 (J)	<0.1	0.059 (J)	<0.1	<0.1	<0.1
3/30/2021	<0.1	0.048 (J)	0.052 (J)						
3/31/2021					<0.1	0.051 (J)	<0.1	0.047 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
4/7/2021				0.054 (J)					<0.1
8/17/2021	0.052 (J)	0.096 (J)		0.079 (J)		0.093 (J)			
8/18/2021			0.16		0.066 (J)		0.07 (J)		
8/19/2021								<0.1	<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	0.11 (J)								
5/12/2016		0.042 (J)	0.031 (J)	0.1071 (J)	0.011 (J)	0.066 (J)			0.259 (J)
5/13/2016							0.0343 (J)	0.0126 (J)	
6/28/2016	0.18 (J)	0.15 (J)	0.03 (J)	0.26 (J)	0.09 (J)				
6/29/2016						0.17 (J)		0.18 (J)	0.45
6/30/2016							0.18 (J)		
8/18/2016	0.12 (J)	<0.1	<0.1	0.14 (J)	<0.1	<0.1			
8/22/2016							<0.1	<0.1	0.33
10/17/2016	0.082 (J)	<0.1	<0.1						
10/18/2016				0.12 (J)	<0.1			<0.1	0.26
10/19/2016						<0.1	<0.1		
12/6/2016	0.11 (J)	<0.1							
12/7/2016			<0.1	0.13 (J)	<0.1	<0.1	<0.1		
12/8/2016								<0.1	0.28
2/15/2017	0.13 (J)	<0.1	<0.1	0.12 (J)		0.089 (J)			
2/16/2017					<0.1		<0.1	<0.1	0.28
4/12/2017	0.088 (J)	<0.1	<0.1	0.11 (J)					
4/13/2017					<0.1	<0.1	<0.1	<0.1	0.2
6/27/2017	0.1 (J)	<0.1	<0.1	0.13 (J)	<0.1	<0.1			
6/28/2017							<0.1	<0.1	0.22
10/11/2017	<0.1	<0.1	<0.1						
10/12/2017				0.13 (J)	<0.1	<0.1	<0.1	<0.1	0.18 (J)
3/27/2018	<0.1	<0.1	<0.1	0.12 (J)	<0.1	<0.1			
3/28/2018							<0.1	<0.1	0.19 (J)
6/6/2018	<0.1								
6/7/2018		<0.1	<0.1	0.14 (J)	<0.1	<0.1			0.21
6/8/2018							<0.1	<0.1	
10/8/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
10/9/2018								<0.1	
10/16/2018				0.14 (J)					
10/18/2018							<0.1		0.23
2/20/2019	0.052 (J)	<0.1	<0.1	0.33	<0.1	0.034 (J)	<0.1	<0.1	0.2
4/1/2019	0.048 (J)	<0.1	<0.1	0.072 (J)					
4/2/2019					<0.1	0.045 (J)	0.05 (J)	<0.1	0.15 (J)
9/16/2019	0.065 (J)								
9/17/2019		0.04 (J)	0.028 (J)	0.1	<0.1	0.047 (J)	0.034 (J)	<0.1	0.14
2/18/2020									0.16
2/19/2020	0.064 (J)	0.027 (J)	0.026 (J)	0.13	<0.1	0.046 (J)		<0.1	
2/20/2020							<0.1		
3/23/2020								0.057 (J)	0.25
3/24/2020						0.058 (J)			
3/26/2020	0.081 (J)						0.091 (J)		
3/27/2020		0.045 (J)	0.041 (J)	0.13	0.027 (J)				
9/14/2020	0.042 (J)	<0.1							
9/15/2020			0.04 (J)	0.15	0.037 (J)	0.052 (J)	<0.1	<0.1	0.15
2/9/2021	0.074 (J)	<0.1	<0.1	0.14	<0.1				
2/10/2021						0.03 (J)	<0.1	<0.1	0.19
3/30/2021							0.1 (J)	<0.1	0.18
3/31/2021				0.12					
4/1/2021					<0.1	0.051 (J)			
4/6/2021			<0.1						
4/7/2021	0.066 (J)	0.053 (J)							

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/18/2021						0.087 (J)	0.099 (J)		
8/19/2021		<0.1	<0.1	0.12	0.038 (J)			<0.1	0.17
8/20/2021	0.082 (J)								

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				0.133 (J)	0.245 (J)	0.362	0.076 (J)		
5/12/2016	0.079 (J)	0.029 (J)	0.0341 (J)						
6/27/2016				0.21 (J)	0.23 (J)	0.45			
6/29/2016	0.15 (J)	0.04 (J)	0.04 (J)				0.13 (J)		
8/17/2016				0.14 (J)	0.22	0.54			
8/19/2016		<0.1	<0.1						
8/22/2016	0.083 (J)						<0.1		
10/17/2016				0.11 (J)		0.51			
10/18/2016	<0.1	<0.1	<0.1		0.24		<0.1		
12/6/2016				0.14 (J)	0.26	0.58			
12/7/2016	<0.1	<0.1	<0.1				<0.1		
2/14/2017				0.2	0.17 (J)	0.39			
2/15/2017			0.092 (J)						
2/16/2017	0.12 (J)	0.1 (J)					0.097 (J)		
4/12/2017				0.089 (J)	0.2	0.41			
4/13/2017	<0.1	<0.1	<0.1				<0.1		
6/27/2017				0.085 (J)	0.23	0.47	<0.1		
6/28/2017	0.1 (J)	<0.1	<0.1						
10/11/2017				0.089 (J)	0.21				
10/12/2017	<0.1	<0.1	<0.1			0.47	<0.1		
3/27/2018			<0.1	<0.1	0.19 (J)	0.4			
3/28/2018	<0.1	<0.1					<0.1		
6/6/2018				<0.1	0.2	0.4	<0.1		
6/7/2018	<0.1	<0.1	<0.1						
10/8/2018	<0.1	<0.1	<0.1	<0.1					
10/9/2018					0.2	0.47	<0.1		
10/18/2018								<0.1	<0.1
2/19/2019		<0.1	0.055 (J)						
2/20/2019	0.051 (J)			0.092 (J)	0.2	0.32	0.074 (J)		
4/1/2019					0.12 (J)	0.21	0.041 (J)		
4/2/2019	0.066 (J)	<0.1	0.036 (J)	0.1 (J)					
9/16/2019				0.099 (J)			0.057 (J)		
9/17/2019	0.077 (J)				0.2	0.47			
9/18/2019		0.028 (J)	0.044 (J)						
2/18/2020	0.073 (J)	<0.1	0.082 (J)	0.11	0.2	0.38			
2/19/2020							0.061 (J)		
3/23/2020	0.11								
3/24/2020		<0.1	0.081 (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)		
9/15/2020	0.061 (J)	<0.1	0.052 (J)						
2/9/2021				0.12	0.22	0.37	0.05 (J)		
2/10/2021	0.049 (J)	<0.1	0.046 (J)						
3/30/2021	0.074 (J)								
3/31/2021		<0.1	0.046 (J)				0.073 (J)		
4/1/2021				0.14	0.25	0.38			
8/18/2021	0.12	0.054 (J)	0.11	0.19	0.31	0.48			
8/19/2021							0.078 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.1			
10/17/2018	0.087 (J)				
10/18/2018			<0.1	<0.1	0.083 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
5/11/2016						<0.001		<0.001	<0.001
6/23/2016	<0.001	<0.001	0.0001 (J)				<0.001		
6/24/2016					<0.001	<0.001			
6/27/2016				<0.001					
6/28/2016								<0.001	<0.001
8/16/2016	<0.001	<0.001	<0.001		<0.001		<0.001		
8/17/2016				<0.001		<0.001		<0.001	<0.001
10/13/2016	<0.001		<0.001						
10/14/2016		<0.001		<0.001	<0.001		<0.001		
10/17/2016						<0.001		<0.001	<0.001
12/5/2016			<0.001						
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/14/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
2/15/2017								<0.001	<0.001
4/10/2017			<0.001						
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
4/12/2017								<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		
6/27/2017				<0.001				<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001		<0.001				
3/27/2018				<0.001		<0.001	<0.001	<0.001	<0.001
6/5/2018	<0.001	<0.001	<0.001	<0.001			<0.001		
6/6/2018					<0.001	<0.001		<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001		<0.001				
10/8/2018				<0.001		<0.001	<0.001		
10/9/2018								<0.001	
10/16/2018									<0.001
2/18/2019	<0.001	<0.001				<0.001			
2/19/2019			<0.001	<0.001	<0.001		<0.001		
2/20/2019								<0.001	<0.001
3/28/2019				<0.001	<0.001	<0.001	<0.001		
3/29/2019	<0.001	<0.001	<0.001						
4/1/2019								<0.001	<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			<0.001
9/17/2019								0.00013 (J)	
2/13/2020	<0.001	<0.001	<0.001						
2/17/2020				<0.001			<0.001		
2/18/2020					<0.001	<0.001			<0.001
2/19/2020								0.00014 (J)	
3/17/2020		<0.001		<0.001	<0.001		<0.001		
3/18/2020	0.00022 (J)		0.00022 (J)			0.00021 (J)			
3/25/2020								<0.001	<0.001
9/14/2020	<0.001	<0.001	0.00014 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00013 (J)	<0.001
3/30/2021	<0.001	<0.001	<0.001						
3/31/2021					<0.001	<0.001	<0.001	<0.001	
4/7/2021				<0.001					<0.001
8/17/2021	<0.001	<0.001		<0.001		<0.001			
8/18/2021			0.00023 (J)		<0.001		0.0003 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.001								
5/12/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
5/13/2016							<0.001	<0.001	
6/28/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
6/29/2016						<0.001		<0.001	0.0005 (J)
6/30/2016							<0.001		
8/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
8/22/2016							<0.001	<0.001	<0.001
10/17/2016	<0.001	<0.001	<0.001						
10/18/2016				<0.001	<0.001			<0.001	<0.001
10/19/2016						<0.001	<0.001		
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	<0.001	<0.001	<0.001	<0.001		
12/8/2016								<0.001	<0.001
2/15/2017	<0.001	<0.001	<0.001	<0.001		<0.001			
2/16/2017					<0.001		<0.001	<0.001	0.00035 (J)
4/12/2017	<0.001	<0.001	<0.001	<0.001					
4/13/2017					<0.001	<0.001	<0.001	<0.001	<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
6/28/2017							<0.001	<0.001	0.00041 (J)
3/27/2018	<0.001	0.00039 (J)	<0.001	<0.001	<0.001	<0.001			
3/28/2018							<0.001	<0.001	<0.001
6/6/2018	<0.001								
6/7/2018		<0.001	<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	<0.001			
10/9/2018								<0.001	
10/16/2018				<0.001					
10/18/2018							<0.001		<0.001
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00027 (J)
4/1/2019	<0.001	<0.001	<0.001	<0.001					
4/2/2019					<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	<0.001								
9/17/2019		<0.001	0.00016 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	0.00025 (J)
2/18/2020									0.00025 (J)
2/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/20/2020							<0.001		
3/23/2020								<0.001	0.00023 (J)
3/24/2020						<0.001			
3/26/2020	<0.001						<0.001		
3/27/2020		<0.001	0.00066 (J)	0.00023 (J)	0.00013 (J)				
9/14/2020	<0.001	<0.001							
9/15/2020			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00017 (J)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001				
2/10/2021						0.00017 (J)	0.00029 (J)	<0.001	0.0003 (J)
3/30/2021							<0.001	<0.001	0.00018 (J)
3/31/2021				<0.001					
4/1/2021					<0.001	<0.001			
4/6/2021			<0.001						
4/7/2021	<0.001	<0.001							
8/18/2021						<0.001	0.00071 (J)		
8/19/2021		<0.001	<0.001	<0.001	<0.001			<0.001	0.00034 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.001								

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.001	<0.001	<0.001	<0.001		
5/12/2016	<0.001	<0.001	<0.001						
6/27/2016				<0.001	<0.001	<0.001			
6/29/2016	9E-05 (J)	<0.001	9E-05 (J)				<0.001		
8/17/2016				<0.001	0.00085 (J)	<0.001			
8/19/2016		<0.001	<0.001						
8/22/2016	<0.001						<0.001		
10/17/2016				<0.001		<0.001			
10/18/2016	<0.001	<0.001	<0.001		<0.001		<0.001		
12/6/2016				<0.001	<0.001	<0.001			
12/7/2016	<0.001	<0.001	<0.001				<0.001		
2/14/2017				<0.001	<0.001	<0.001			
2/15/2017			<0.001						
2/16/2017	<0.001	<0.001					<0.001		
4/12/2017				<0.001	<0.001	<0.001			
4/13/2017	<0.001	<0.001	<0.001				<0.001		
6/27/2017				<0.001	<0.001	<0.001	<0.001		
6/28/2017	<0.001	<0.001	<0.001						
3/27/2018			<0.001	<0.001	<0.001	<0.001			
3/28/2018	<0.001	<0.001					<0.001		
6/6/2018				<0.001	<0.001	<0.001	<0.001		
6/7/2018	<0.001	<0.001	<0.001						
10/8/2018	<0.001	<0.001	<0.001	<0.001					
10/9/2018					<0.001	<0.001	<0.001		
10/18/2018								<0.001	<0.001
2/19/2019		<0.001	<0.001						
2/20/2019	<0.001			<0.001	<0.001	<0.001	<0.001		
4/1/2019					<0.001	<0.001	<0.001		
4/2/2019	<0.001	<0.001	<0.001	<0.001					
9/16/2019				<0.001			<0.001		
9/17/2019	<0.001				<0.001	<0.001			
9/18/2019		<0.001	<0.001						
2/18/2020	<0.001	0.00018 (J)	<0.001	<0.001	<0.001	<0.001			
2/19/2020							<0.001		
3/23/2020	<0.001								
3/24/2020		<0.001	<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		
9/15/2020	0.00022 (J)	0.00019 (J)	<0.001						
2/9/2021				<0.001	0.00014 (J)	0.00062 (J)	<0.001		
2/10/2021	0.00016 (J)	0.00016 (J)	<0.001						
3/30/2021	0.0002 (J)								
3/31/2021		0.00015 (J)	<0.001				<0.001		
4/1/2021				<0.001	0.00015 (J)	<0.001			
8/18/2021	0.00041 (J)	<0.001	<0.001	<0.001	<0.001	<0.001			
8/19/2021							<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.001			
10/17/2018	<0.001				
10/18/2018			<0.001	<0.001	<0.001

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
5/11/2016						<0.005		<0.005	<0.005
6/23/2016	0.0013 (J)	<0.005	<0.005				<0.005		
6/24/2016					<0.005	<0.005			
6/27/2016				<0.005					
6/28/2016								<0.005	0.0013 (J)
8/16/2016	<0.005	<0.005	<0.005		<0.005		<0.005		
8/17/2016				<0.005		<0.005		<0.005	<0.005
10/13/2016	<0.005		<0.005						
10/14/2016		<0.005		<0.005	<0.005		<0.005		
10/17/2016						<0.005		<0.005	<0.005
12/5/2016			<0.005						
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/14/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
2/15/2017								<0.005	<0.005
4/10/2017			<0.005						
4/11/2017	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
4/12/2017								<0.005	<0.005
6/26/2017	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
6/27/2017				<0.005				<0.005	<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)	<0.005	0.0029 (J)
6/5/2018	0.0018 (J)	<0.005	0.0011 (J)	0.0015 (J)			<0.005		
6/6/2018					<0.005	<0.005		<0.005	0.0017 (J)
10/5/2018	0.0018 (J)	<0.005	0.0012 (J)		<0.005				
10/8/2018				<0.005		<0.005	<0.005		
10/9/2018								<0.005	
10/16/2018									0.0031 (J)
2/18/2019	<0.005	<0.005				<0.005			
2/19/2019			<0.005	<0.005	<0.005		<0.005		
2/20/2019								<0.005	0.0031 (J)
3/28/2019				<0.005	<0.005	<0.005	<0.005		
3/29/2019	<0.005	<0.005	<0.005						
4/1/2019								<0.005	0.0017 (J)
9/12/2019							<0.005		
9/13/2019			<0.005						
9/16/2019	0.0034	<0.005		<0.005	<0.005	<0.005			<0.005
9/17/2019								<0.005	
2/13/2020	<0.005	<0.005	<0.005						
2/17/2020				<0.005			<0.005		
2/18/2020					<0.005	<0.005			<0.005
2/19/2020								<0.005	
3/17/2020		<0.005		<0.005	<0.005		<0.005		
3/18/2020	<0.005		<0.005			<0.005			
3/25/2020								<0.005	<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/30/2021	<0.005	<0.005	<0.005						
3/31/2021					<0.005	<0.005	<0.005	<0.005	
4/7/2021				<0.005					<0.005
8/17/2021	<0.005	<0.005		<0.005		<0.005			
8/18/2021			<0.005		<0.005		<0.005		

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								<0.005	<0.005

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.005								
5/12/2016		<0.005	<0.005	<0.005	<0.005	<0.005			<0.05 (O)
5/13/2016							<0.005	<0.005	
6/28/2016	<0.005	<0.005	<0.005	0.0024 (J)	<0.005				
6/29/2016						<0.005		<0.005	0.0043 (J)
6/30/2016							0.0032 (J)		
8/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
8/22/2016							<0.005	<0.005	0.0051
10/17/2016	<0.005	<0.005	<0.005						
10/18/2016				<0.005	<0.005			<0.005	0.0038 (J)
10/19/2016						<0.005	0.0042 (J)		
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005	<0.005	<0.005	<0.005		
12/8/2016								<0.005	0.0043 (J)
2/15/2017	<0.005	<0.005	<0.005	<0.005		<0.005			
2/16/2017					<0.005		0.0034 (J)	<0.005	0.0047 (J)
4/12/2017	<0.005	<0.005	<0.005	<0.005					
4/13/2017					<0.005	<0.005	<0.005	<0.005	0.004 (J)
6/27/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
6/28/2017							<0.005	<0.005	0.0032 (J)
3/27/2018	<0.005	<0.005	<0.005	0.0034 (J)	<0.005	0.0014 (J)			
3/28/2018							0.0056	<0.005	0.0053
6/6/2018	<0.005								
6/7/2018		<0.005	<0.005	0.003 (J)	<0.005	<0.005			0.0038 (J)
6/8/2018							0.0042 (J)	0.0022 (J)	
10/8/2018	<0.005	0.0014 (J)	0.0011 (J)		0.0015 (J)	<0.005			
10/9/2018								<0.005	
10/16/2018				0.0034 (J)					
10/18/2018							0.0054		0.0062
2/20/2019	<0.005	<0.005	<0.005	0.0038 (J)	<0.005	<0.005	0.0054	<0.005	0.0048 (J)
4/1/2019	0.0011 (J)	<0.005	<0.005	0.0025 (J)					
4/2/2019					<0.005	<0.005	0.0041 (J)	0.0021 (J)	0.0046 (J)
9/16/2019	<0.005								
9/17/2019		<0.005	<0.005	0.0037	<0.005	<0.005	0.005	<0.005	0.0042
2/18/2020									0.0036 (J)
2/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
2/20/2020							0.0045 (J)		
3/23/2020								<0.005	0.0045 (J)
3/24/2020						<0.005			
3/26/2020	<0.005						0.0046 (J)		
3/27/2020		<0.005	<0.005	0.0038 (J)	<0.005				
9/14/2020	<0.005	<0.005							
9/15/2020			<0.005	0.0037 (J)	<0.005	<0.005	0.0049 (J)	<0.005	0.0037 (J)
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005				
2/10/2021						<0.005	0.0055	<0.005	0.0047 (J)
3/30/2021							0.0043 (J)	<0.005	<0.005
3/31/2021				<0.005					
4/1/2021					<0.005	<0.005			
4/6/2021			<0.005						
4/7/2021	<0.005	<0.005							
8/18/2021						<0.005	0.0047 (J)		
8/19/2021		<0.005	<0.005	<0.005	<0.005			<0.005	0.0046 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.005								

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.005	<0.05 (O)	<0.005	<0.005		
5/12/2016	<0.005	<0.005	<0.005						
6/27/2016				<0.005	0.0031 (J)	0.0013 (J)			
6/29/2016	<0.005	<0.005	0.0027 (J)				<0.005		
8/17/2016				<0.005	0.0046 (J)	<0.005			
8/19/2016		<0.005	<0.005						
8/22/2016	<0.005						<0.005		
10/17/2016				<0.005		<0.005			
10/18/2016	<0.005	<0.005	0.0032 (J)		0.0036 (J)		<0.005		
12/6/2016				<0.005	0.0043 (J)	<0.005			
12/7/2016	<0.005	<0.005	0.0043 (J)				<0.005		
2/14/2017				<0.005	0.0043 (J)	<0.005			
2/15/2017			<0.005						
2/16/2017	<0.005	<0.005					<0.005		
4/12/2017				<0.005	0.0051	<0.005			
4/13/2017	<0.005	<0.005	0.0036 (J)				<0.005		
6/27/2017				<0.005	0.0033 (J)	<0.005	<0.005		
6/28/2017	<0.005	<0.005	0.0032 (J)						
3/27/2018			0.005	<0.005	0.0061	0.0023 (J)			
3/28/2018	0.0038 (J)	0.0033 (J)					<0.005		
6/6/2018				<0.005	0.004 (J)	0.0018 (J)	<0.005		
6/7/2018	0.0013 (J)	<0.005	0.0027 (J)						
10/8/2018	0.0019 (J)	0.0011 (J)	0.0035 (J)	<0.005					
10/9/2018					0.0053	0.002 (J)	<0.005		
10/18/2018								0.0029 (J)	0.0015 (J)
2/19/2019		<0.005	<0.005						
2/20/2019	<0.005			<0.005	0.006	<0.005	<0.005		
4/1/2019					0.0058	0.0021 (J)	<0.005		
4/2/2019	0.0027 (J)	0.0026 (J)	0.0041 (J)	<0.005					
9/16/2019				<0.005			<0.005		
9/17/2019	<0.005				0.0049	<0.005			
9/18/2019		<0.005	0.0043						
2/18/2020	<0.005	<0.005	<0.005	<0.005	0.0052	<0.005			
2/19/2020							<0.005		
3/23/2020	<0.005								
3/24/2020		<0.005	<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		
9/15/2020	<0.005	<0.005	<0.005						
2/9/2021				<0.005	0.0052	<0.005	<0.005		
2/10/2021	<0.005	<0.005	<0.005						
3/30/2021	<0.005								
3/31/2021		<0.005	<0.005				<0.005		
4/1/2021				<0.005	0.0053	<0.005			
8/18/2021	<0.005	<0.005	<0.005	<0.005	0.0034 (J)	<0.005			
8/19/2021							<0.005		

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-14S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018			0.069			
10/17/2018	0.0027 (J)					
10/18/2018				0.0017 (J)	0.015	0.004 (J)
3/2/2020			<0.005			
4/2/2021		<0.005				
4/7/2021			0.02			
8/18/2021		<0.005	0.0095			

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
5/11/2016						<0.0002		<0.0002	<0.0002
6/23/2016	<0.0002	<0.0002	<0.0002				<0.0002		
6/24/2016					<0.0002	<0.0002			
6/27/2016				<0.0002					
6/28/2016								<0.0002	<0.0002
8/16/2016	<0.0002	<0.0002	<0.0002		<0.0002		7.2E-05 (J)		
8/17/2016				<0.0002		<0.0002		<0.0002	<0.0002
10/13/2016	<0.0002		<0.0002						
10/14/2016		<0.0002		<0.0002	<0.0002		<0.0002		
10/17/2016						<0.0002		<0.0002	<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)	0.00013 (J)	0.0001 (J)
2/14/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
2/15/2017								<0.0002	<0.0002
4/10/2017			<0.0002						
4/11/2017	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
4/12/2017								<0.0002	<0.0002
6/26/2017	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
6/27/2017				<0.0002				<0.0002	<0.0002
3/26/2018	8.9E-05 (J)	<0.0002	<0.0002		<0.0002				
3/27/2018				<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/5/2018	<0.0002	<0.0002	<0.0002	7.5E-05 (J)			<0.0002		
6/6/2018					<0.0002	<0.0002		<0.0002	<0.0002
10/5/2018	<0.0002	<0.0002	<0.0002		<0.0002				
10/8/2018				<0.0002		<0.0002	<0.0002		
10/9/2018								<0.0002	
10/16/2018									<0.0002
2/18/2019	<0.0002	<0.0002				<0.0002			
2/19/2019			<0.0002	<0.0002	<0.0002		<0.0002		
2/20/2019								<0.0002	<0.0002
3/28/2019				<0.0002	<0.0002	<0.0002	<0.0002		
3/29/2019	7E-05 (J)	<0.0002	<0.0002						
4/1/2019								<0.0002	<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			<0.0002
9/17/2019								<0.0002	
12/3/2019					<0.0002	<0.0002			
2/13/2020	<0.0002	<0.0002	<0.0002						
2/17/2020				<0.0002			<0.0002		
2/18/2020					<0.0002	<0.0002			<0.0002
2/19/2020								<0.0002	
3/17/2020		<0.0002		<0.0002	<0.0002		<0.0002		
3/18/2020	<0.0002		<0.0002			<0.0002			
3/25/2020								<0.0002	<0.0002
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/30/2021	<0.0002	<0.0002	<0.0002						
3/31/2021					<0.0002	<0.0002	<0.0002	<0.0002	
4/7/2021				<0.0002					<0.0002
8/17/2021	<0.0002	<0.0002		<0.0002		<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/18/2021			<0.0002		<0.0002		<0.0002		
8/19/2021								<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.0002								
5/12/2016		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
5/13/2016							<0.0002	<0.0002	
6/28/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
6/29/2016						<0.0002		<0.0002	<0.0002
6/30/2016							<0.0002		
8/18/2016	<0.0002	<0.0002	<0.0002	0.00011 (J)	<0.0002	<0.0002			
8/22/2016							0.00014 (J)	<0.0002	7.3E-05 (J)
10/17/2016	<0.0002	<0.0002	8.9E-05 (J)						
10/18/2016				0.00012 (J)	<0.0002			<0.0002	<0.0002
10/19/2016						<0.0002	<0.0002		
12/6/2016	9.3E-05 (J)	0.00011 (J)							
12/7/2016			0.00012 (J)	0.00017 (J)	7.6E-05 (J)	0.00011 (J)	0.00014 (J)		
12/8/2016								<0.0002	<0.0002
2/15/2017	<0.0002	<0.0002	<0.0002	0.00011 (J)		<0.0002			
2/16/2017					<0.0002		8.4E-05 (J)	<0.0002	<0.0002
4/12/2017	<0.0002	<0.0002	<0.0002	7.2E-05 (J)					
4/13/2017					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/27/2017	<0.0002	<0.0002	<0.0002	8.4E-05 (J)	<0.0002	<0.0002			
6/28/2017							<0.0002	<0.0002	<0.0002
3/27/2018	<0.0002	<0.0002	0.0001 (J)	0.00014 (J)	<0.0002	<0.0002			
3/28/2018							8.3E-05 (J)	<0.0002	<0.0002
6/6/2018	<0.0002								
6/7/2018		<0.0002	<0.0002	0.00013 (J)	<0.0002	0.00011 (J)			8.2E-05 (J)
6/8/2018							0.00014 (J)	<0.0002	
10/8/2018	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002			
10/9/2018								<0.0002	
10/16/2018				<0.0002					
10/18/2018							0.00021		<0.0002
2/20/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00026	<0.0002	<0.0002
4/1/2019	<0.0002	<0.0002	<0.0002	<0.0002					
4/2/2019					<0.0002	<0.0002	0.0002	<0.0002	<0.0002
9/16/2019	<0.0002								
9/17/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00014 (J)	<0.0002	<0.0002
2/18/2020									<0.0002
2/19/2020	<0.0002	<0.0002	0.0002	0.00016 (J)	<0.0002	<0.0002		<0.0002	
2/20/2020							0.00022		
3/23/2020								<0.0002	<0.0002
3/24/2020						<0.0002			
3/26/2020	<0.0002						0.00019 (J)		
3/27/2020		<0.0002	<0.0002	0.00011 (J)	<0.0002				
9/14/2020	<0.0002	<0.0002							
9/15/2020			<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	0.00013 (J)	<0.0002				
2/10/2021						<0.0002	0.00018 (J)	<0.0002	<0.0002
3/30/2021							0.00022	<0.0002	0.00013 (J)
3/31/2021				0.00018 (J)					
4/1/2021					<0.0002	<0.0002			
4/6/2021			<0.0002						
4/7/2021	<0.0002	<0.0002							
8/18/2021						0.00017 (J)	0.00022		
8/19/2021		<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.0002								

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.0002	<0.0002	<0.0002	<0.0002		
5/12/2016	<0.0002	<0.0002	<0.0002						
6/27/2016				<0.0002	<0.0002	<0.0002			
6/29/2016	<0.0002	<0.0002	<0.0002				<0.0002		
8/17/2016				<0.0002	<0.0002	<0.0002			
8/19/2016		<0.0002	7.1E-05 (J)						
8/22/2016	<0.0002						<0.0002		
10/17/2016				<0.0002		<0.0002			
10/18/2016	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002		
12/6/2016				0.00011 (J)	0.00011 (J)	7.6E-05 (J)			
12/7/2016	0.0001 (J)	9.9E-05 (J)	0.00011 (J)				0.0001 (J)		
2/14/2017				<0.0002	<0.0002	<0.0002			
2/15/2017			<0.0002						
2/16/2017	<0.0002	<0.0002					<0.0002		
4/12/2017				<0.0002	<0.0002	<0.0002			
4/13/2017	<0.0002	<0.0002	<0.0002				<0.0002		
6/27/2017				<0.0002	<0.0002	<0.0002	<0.0002		
6/28/2017	<0.0002	<0.0002	<0.0002						
3/27/2018			<0.0002	<0.0002	<0.0002	<0.0002			
3/28/2018	<0.0002	<0.0002					<0.0002		
6/6/2018				<0.0002	<0.0002	<0.0002	<0.0002		
6/7/2018	<0.0002	<0.0002	0.00028						
10/8/2018	<0.0002	<0.0002	<0.0002	<0.0002					
10/9/2018					<0.0002	<0.0002	<0.0002		
10/18/2018								<0.0002	<0.0002
2/19/2019		<0.0002	<0.0002						
2/20/2019	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002		
4/1/2019					<0.0002	<0.0002	<0.0002		
4/2/2019	<0.0002	<0.0002	<0.0002	<0.0002					
9/16/2019				<0.0002			<0.0002		
9/17/2019	<0.0002				<0.0002	<0.0002			
9/18/2019		<0.0002	<0.0002						
2/18/2020	<0.0002	<0.0002	0.00011 (J)	<0.0002	<0.0002	<0.0002			
2/19/2020							<0.0002		
3/23/2020	<0.0002								
3/24/2020		<0.0002	<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		
9/15/2020	<0.0002	<0.0002	<0.0002						
2/9/2021				<0.0002	<0.0002	<0.0002	<0.0002		
2/10/2021	<0.0002	<0.0002	<0.0002						
3/30/2021	<0.0002								
3/31/2021		<0.0002	<0.0002				<0.0002		
4/1/2021				<0.0002	<0.0002	<0.0002			
8/18/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
8/19/2021							<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		8.4E-05 (J)			
10/17/2018	<0.0002				
10/18/2018			<0.0002	<0.0002	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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			
8/17/2021	<0.015	<0.015		<0.015		<0.015	
8/18/2021			<0.015		<0.015		<0.015

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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			
8/19/2021	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015
8/20/2021			<0.015				

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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	<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						
8/18/2021	<0.015	<0.015			<0.015	<0.015	<0.015
8/19/2021			<0.015	<0.015			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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	
8/18/2021	<0.015	0.0016 (J)	<0.015	
8/19/2021				<0.015

Time Series

Constituent: pH (S.U.) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	5.51	6.83	6.34	6.14	5.75		5.84		
5/11/2016						6.49		5.7	5.84
8/16/2016	5.42	6.73	6.35		5.72		5.64		
8/17/2016				6.1		6.42		5.55	5.71
10/13/2016	5.52		6.34						
10/14/2016		6.47		6.14	5.71		5.59		
10/17/2016						6.44		5.45	5.69
12/5/2016			6.32						
12/6/2016	5.33	6.74		6.19	5.68	6.48	5.46	5.49	5.58
2/14/2017	5.29	6.85	6.33	6.34	5.57	6.18	5.29		
2/15/2017								5.29	5.54
4/10/2017			6.31						
4/11/2017	5.21	6.75		6.16	5.7	6.49	5.54		
4/12/2017								5.39	5.47
6/26/2017	5.25	6.82	6.35		5.68	6.48	5.54		
6/27/2017				6.08					5.47
10/10/2017	5.49	6.87	6.37						
10/11/2017				6.16	5.63	6.42	5.43		5.58
10/12/2017								5.3	
3/26/2018	5.39	6.77	6.32		5.89				
3/27/2018				6.12		6.53	5.52	5.58	5.65
6/5/2018	5.38	6.73	6.27	6.06			5.59		
6/6/2018					5.62	6.7		5.43	5.32
10/5/2018	5.46	6.81	6.37		5.76		5.7		
10/8/2018				6.16		6.53			
10/9/2018								5.29	
10/16/2018									5.34
3/28/2019				6.15	5.88	6.53	5.67		
3/29/2019	5.22	6.81	6.31						
4/1/2019								5.46	5.24
9/12/2019							5.59		
9/13/2019			6.36						
9/16/2019	5.22	6.82		6.05	5.8	6.44			5.32
9/17/2019								5.31	
2/13/2020	5.09	6.59	6.24						
2/17/2020				6.1			5.73		
2/18/2020					5.76	6.38			5.09
2/19/2020								5.07	
3/17/2020		6.83		6.02	5.87		5.62		
3/18/2020	5.37		6.4			6.36			
3/25/2020								5.26	5.16
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	5.51	5.14
2/9/2021	5.25	6.75	6.4	6.06	5.8	6.38	5.53	5.23	5.24
3/30/2021	5.28	6.73	6.27						
3/31/2021					5.72	6.33	5.5	5.3	
4/7/2021				6.12					5.18
8/17/2021	5.26	6.84		6.08		6.41			
8/18/2021			6.45		5.85		5.51		
8/19/2021								5.21	5.23

Time Series

Constituent: pH (S.U.) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	6.28								
5/12/2016		6.09	5.79	4.76	5.29	6.21			4.36
5/13/2016							4.7	5.55	
8/18/2016	6.23	6	5.75	4.73	5.3	6.24			
8/22/2016							4.68	5.5	4.37
10/17/2016	6.27	6.01	5.73						
10/18/2016				4.62	5.23			5.46	4.26
10/19/2016						6.2	4.65		
12/6/2016	6.28	5.98							
12/7/2016			5.75	4.63	5.31	6.19	4.69		
12/8/2016								5.39	4.28
2/15/2017	6.21	5.74	5.58	4.51		6.25			
2/16/2017					4.77		4.77	5.32	4.29
4/12/2017	6.15	6.01	5.85	4.67					
4/13/2017					5.28	6.21	4.79	5.47	4.24
6/27/2017	6.23	6.05	5.86	4.66	5.22	6.27			
6/28/2017							4.78	5.5	4.28
10/11/2017	6.26	6.14	5.98						
10/12/2017				4.76	5.43	6.33	4.86	5.57	4.32
3/27/2018	6.32	6.25	5.87	4.61	5.28	6.26			
3/28/2018							4.74	5.74	4.25
6/6/2018	6.1								
6/7/2018		5.93	5.81	4.62	5.26	6.21			4.26
6/8/2018							4.69	5.52	
10/8/2018	6.16	6.02	5.83		5.29	6.17			
10/9/2018								5.51	
10/16/2018				4.59					
10/18/2018							4.7		4.3
4/1/2019	6.14	6.06	5.89	4.72					
4/2/2019					5.27	6.26	4.72	5.5	4.33
9/16/2019	6.18								
9/17/2019		5.98	5.78	4.65	5.26	6.23	4.77	5.55	4.37
2/18/2020									4.3
2/19/2020	6.07	5.94	5.75	4.58	5.16	6.16		5.53	
2/20/2020							4.64		
3/23/2020								5.51	4.19
3/24/2020						6.21			
3/26/2020	6.1						4.74		
3/27/2020		5.89	5.74	4.51	5.17				
9/14/2020	6.11	6							
9/15/2020			6.01	4.87	5.56	6.42	4.94	5.51	4.3
2/9/2021	6.13	5.98	5.85	4.26	5.22				
2/10/2021						6.23	4.8	5.55	4.22
3/30/2021							4.82	5.57	4.32
3/31/2021				4.77					
4/1/2021					5.24	6.25			
4/6/2021			5.84						
4/7/2021	6.44	6.07							
8/18/2021						6.26	4.83		
8/19/2021		5.99	5.86	4.63	5.28			5.61	4.28
8/20/2021	6.13								

Time Series

Constituent: pH (S.U.) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				6.39	6.66	6.35	6.24		
5/12/2016	5.95	5.675 (D)	6.18						
8/17/2016				6.28	6.55	6.45			
8/19/2016		5.65	5.84						
8/22/2016	5.96						6.15		
10/17/2016				6.3		6.43			
10/18/2016	5.9	5.71	5.89		6.59		6.11		
12/6/2016				6.3	6.51	6.48			
12/7/2016	6.03	5.71	5.87				6.14		
2/14/2017				6.31	6.3	6.39			
2/15/2017			6.04						
2/16/2017	6.03	5.7					5.95		
4/12/2017				6.23	6.43	6.35			
4/13/2017	5.93	5.7	5.85				6.09		
6/27/2017				6.23	6.56	6.41	6.09		
6/28/2017	6	5.66	5.9						
10/11/2017				6.09	6.4				
10/12/2017	6.09	5.73	6.07			6.41	6.16		
3/27/2018			5.99	6.2	6.6	6.66			
3/28/2018	6.08	5.89					6.3		
6/6/2018				5.99	6.56	6.42	6.12		
6/7/2018	6.1	5.66	5.97						
10/8/2018	6.14	5.74	5.94	6.3					
10/9/2018					6.56	6.51	6.06		
4/1/2019					6.57	6.41	6.11		
4/2/2019	6.09	5.65	5.87	6.25					
9/16/2019				6.26			6.11		
9/17/2019	6.27				6.41	6.5			
9/18/2019		5.66	5.97						
2/13/2020								5.89	
2/18/2020	6.06	5.59	5.95	6.32	6.35	6.39			
2/19/2020							6.03	5.86	
3/23/2020	6.12								
3/24/2020		5.62	6						
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		
9/15/2020	6.1	5.65	5.89						
2/9/2021				6.34	6.42	6.35	6.21		
2/10/2021	6.21	5.58	5.85						
3/30/2021	6.17								
3/31/2021		5.73	5.93				6.2		
4/1/2021				6.31	6.44	6.32			
4/5/2021								5.96	
4/7/2021									6.28
8/18/2021	6.26	5.76	6.01	6.33	6.61	6.48			6.35
8/19/2021							6.22	5.91	

Time Series

Constituent: pH (S.U.) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-14S	PZ-13S	PZ-44I
2/13/2020		5.29		
2/18/2020		5.54		
3/2/2020				6.53
9/18/2020			5.29	
4/2/2021	6.62	5.38	5.03	
4/7/2021				7.04
8/18/2021		5.4		6.5
8/19/2021	6.68			
8/20/2021			5.13	

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
5/11/2016						<0.005		<0.005	<0.005
6/23/2016	<0.005	<0.005	<0.005				<0.005		
6/24/2016					<0.005	<0.005			
6/27/2016				<0.005					
6/28/2016								<0.005	<0.005
8/16/2016	<0.005	<0.005	<0.005		<0.005		<0.005		
8/17/2016				<0.005		<0.005		<0.005	<0.005
10/13/2016	<0.005		<0.005						
10/14/2016		<0.005		<0.005	<0.005		<0.005		
10/17/2016						<0.005		<0.005	<0.005
12/5/2016			<0.005						
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/14/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
2/15/2017								<0.005	<0.005
4/10/2017			<0.005						
4/11/2017	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
4/12/2017								<0.005	<0.005
6/26/2017	<0.005	<0.005	<0.005		0.00029 (J)	0.00041 (J)	<0.005		
6/27/2017				<0.005				<0.005	<0.005
3/26/2018	<0.005	<0.005	<0.005		<0.005				
3/27/2018				<0.005		<0.005	<0.005	<0.005	<0.005
6/5/2018	0.00065 (J)	0.00098 (J)	0.00041 (J)	0.00029 (J)			0.00039 (J)		
6/6/2018					<0.005	<0.005		<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		
10/9/2018								<0.005	
10/16/2018									0.00046 (J)
2/18/2019	<0.005	0.00017 (J)				<0.005			
2/19/2019			<0.005	<0.005	0.00012 (J)		<0.005		
2/20/2019								<0.005	<0.005
3/28/2019				<0.005	<0.005	<0.005	<0.005		
3/29/2019	<0.005	<0.005	<0.005						
4/1/2019								<0.005	<0.005
9/12/2019							<0.005		
9/13/2019			<0.005						
9/16/2019	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
9/17/2019								<0.005	
2/13/2020	<0.005	<0.005	<0.005						
2/17/2020				<0.005			<0.005		
2/18/2020					<0.005	<0.005			<0.005
2/19/2020								<0.005	
3/17/2020		<0.005		<0.005	<0.005		<0.005		
3/18/2020	<0.005		<0.005			<0.005			
3/25/2020								<0.005	<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/30/2021	<0.005	<0.005	<0.005						
3/31/2021					<0.005	<0.005	<0.005	<0.005	
4/7/2021				<0.005					<0.005
8/17/2021	<0.005	<0.005		<0.005		<0.005			
8/18/2021			<0.005		<0.005		<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.005								
5/12/2016		<0.005	<0.005	0.00965 (J)	<0.005	<0.005			0.00396 (J)
5/13/2016							0.023	<0.005	
6/28/2016	<0.005	<0.005	<0.005	0.0101	<0.005				
6/29/2016						<0.005		<0.005	0.0053 (J)
6/30/2016							0.0263		
8/18/2016	0.00031 (J)	<0.005	<0.005	0.0014	0.00053 (J)	<0.005			
8/22/2016							0.0066	<0.005	0.0012 (J)
10/17/2016	<0.005	0.0003 (J)	<0.005						
10/18/2016				0.0013	<0.005			<0.005	<0.005
10/19/2016						<0.005	0.0057		
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	0.0007 (J)	<0.005	<0.005	0.006		
12/8/2016								<0.005	<0.005
2/15/2017	<0.005	<0.005	0.00066 (J)	0.00075 (J)		<0.005			
2/16/2017					<0.005		0.0055	<0.005	<0.005
4/12/2017	<0.005	<0.005	<0.005	<0.005					
4/13/2017					<0.005	<0.005	0.0049	<0.005	<0.005
6/27/2017	<0.005	<0.005	<0.005	0.0013	0.001 (J)	0.00024 (J)			
6/28/2017							0.0047	0.00096 (J)	0.00064 (J)
3/27/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/28/2018							0.0085	<0.005	<0.005
6/6/2018	<0.005								
6/7/2018		0.00064 (J)	0.00084 (J)	0.0014	0.0013	0.00064 (J)			0.00066 (J)
6/8/2018							0.014	0.00063 (J)	
10/8/2018	<0.005	<0.005	<0.005		0.0014	0.00028 (J)			
10/9/2018								0.0005 (J)	
10/16/2018				0.0021					
10/18/2018							0.017		0.00049 (J)
2/20/2019	<0.005	<0.005	<0.005	0.0034	0.0012 (J)	<0.005	0.027	<0.005	0.0011 (J)
4/1/2019	<0.005	<0.005	<0.005	<0.005					
4/2/2019					0.0021	<0.005	0.0075	<0.005	<0.005
9/16/2019	<0.005								
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005	0.0036	<0.005	<0.005
2/18/2020									<0.005
2/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
2/20/2020							0.0024 (J)		
3/23/2020								<0.005	<0.005
3/24/2020						<0.005			
3/26/2020	<0.005						0.0019 (J)		
3/27/2020		<0.005	<0.005	<0.005	<0.005				
9/14/2020	<0.005	<0.005							
9/15/2020			<0.005	<0.005	<0.005	<0.005	0.003 (J)	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005				
2/10/2021						<0.005	0.0016 (J)	<0.005	<0.005
3/30/2021							<0.005	<0.005	<0.005
3/31/2021				<0.005					
4/1/2021					<0.005	<0.005			
4/6/2021			<0.005						
4/7/2021	<0.005	<0.005							
8/18/2021						<0.005	0.002 (J)		
8/19/2021		<0.005	<0.005	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.005								

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.005	<0.005	<0.005	<0.005		
5/12/2016	<0.005	<0.005	<0.005						
6/27/2016				<0.005	<0.005	<0.005			
6/29/2016	<0.005	<0.005	<0.005				<0.005		
8/17/2016				<0.005	<0.005	<0.005			
8/19/2016		<0.005	<0.005						
8/22/2016	<0.005						<0.005		
10/17/2016				<0.005		<0.005			
10/18/2016	<0.005	<0.005	<0.005		<0.005		<0.005		
12/6/2016				<0.005	<0.005	<0.005			
12/7/2016	<0.005	<0.005	<0.005				<0.005		
2/14/2017				<0.005	<0.005	<0.005			
2/15/2017			<0.005						
2/16/2017	<0.005	<0.005					<0.005		
4/12/2017				0.00034 (J)	<0.005	<0.005			
4/13/2017	<0.005	<0.005	<0.005				<0.005		
6/27/2017				0.00057 (J)	<0.005	<0.005	<0.005		
6/28/2017	<0.005	<0.005	0.00033 (J)						
3/27/2018			<0.005	<0.005	<0.005	<0.005			
3/28/2018	<0.005	<0.005					<0.005		
6/6/2018				0.00032 (J)	<0.005	<0.005	<0.005		
6/7/2018	<0.005	<0.005	<0.005						
10/8/2018	<0.005	<0.005	0.00026 (J)	<0.005					
10/9/2018					0.00034 (J)	<0.005	<0.005		
10/18/2018								0.0045	<0.005
2/19/2019		<0.005	0.00021 (J)						
2/20/2019	<0.005			<0.005	<0.005	<0.005	<0.005		
4/1/2019					<0.005	<0.005	<0.005		
4/2/2019	<0.005	<0.005	<0.005	<0.005					
9/16/2019				<0.005			<0.005		
9/17/2019	<0.005				<0.005	<0.005			
9/18/2019		<0.005	<0.005						
2/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
2/19/2020							<0.005		
3/23/2020	<0.005								
3/24/2020		<0.005	<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		
9/15/2020	<0.005	<0.005	<0.005						
2/9/2021				<0.005	<0.005	<0.005	<0.005		
2/10/2021	<0.005	<0.005	<0.005						
3/30/2021	<0.005								
3/31/2021		<0.005	<0.005				<0.005		
4/1/2021				<0.005	<0.005	<0.005			
8/18/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
8/19/2021							<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		0.00046 (J)			
10/17/2018	<0.005				
10/18/2018			0.00047 (J)	0.00059 (J)	0.00026 (J)

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	0.6766 (J)	0.4053 (J)	<1	0.686 (J)	2.82		0.4716 (J)		
5/11/2016						3.75		7.43	6.31
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								6.3	3.7
8/16/2016	1.2	<1	<1		1.5		<1		
8/17/2016				<1		1.8		11	2.4
10/13/2016	2.9		<1						
10/14/2016		<1		<1	1.2		<1		
10/17/2016						1.4		4.4	2.1
12/5/2016			<1						
12/6/2016	3.2	<1		<1	1.3	1.4	<1	11	1.9
2/14/2017	0.76 (J)	<1	<1	<1	1.9	1.1	<1		
2/15/2017								1.3	1.2
4/10/2017			<1						
4/11/2017	<1	<1		<1	1.3	1	<1		
4/12/2017								2.8	1
6/26/2017	0.74 (J)	<1	<1		1.5	0.99 (J)	<1		
6/27/2017				<1				8.2	1.2
10/10/2017	0.76 (J)	<1	<1						
10/11/2017				<1	0.98 (J)	0.93 (J)	<1		0.82 (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)
10/16/2018									1.3
12/13/2018	<1	<1	<1	<1	1.4	0.76 (J)	<1		
12/17/2018								16	
3/28/2019				<1	1.9	1.2	<1		
3/29/2019	<1	0.65 (J)	<1						
4/1/2019								21	0.81 (J)
9/12/2019							<1		
9/13/2019			<1						
9/16/2019	0.98 (J)	0.68 (J)		<1	0.92 (J)	1.1			0.72 (J)
9/17/2019								2.3	
3/17/2020		0.78 (J)		0.61 (J)	1.6		0.55 (J)		
3/18/2020	1.2		0.45 (J)			1.3			
3/25/2020								14	0.58 (J)
9/14/2020	0.58 (J)	<1	<1	<1	0.82 (J)	0.96 (J)	<1	2.2	0.59 (J)
3/30/2021	1.2	<1	<1						
3/31/2021					1.1	1.1	<1	15	
4/7/2021				<1					1.3
8/17/2021	<1	<1		<1		1.1			
8/18/2021			1		0.9 (J)		<1		
8/19/2021								2.2	<1

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	30.1								
5/12/2016		89.7	194	194	9.9	125			255
5/13/2016							484	212	
6/28/2016	25	76	200	200	11				
6/29/2016						120		220	270
6/30/2016							490		
8/18/2016	24	78	180	190	14	130			
8/22/2016							500	220	270
10/17/2016	23	73	190						
10/18/2016				190	15			210	240
10/19/2016						140	520		
12/6/2016	28	76							
12/7/2016			200	200	17	160	510		
12/8/2016								220	240
2/15/2017	33	73	190	190		160			
2/16/2017					17		450	210	230
4/12/2017	30	70	170	170					
4/13/2017					15	140	380	190	220
6/27/2017	33	78	200	200	19	160			
6/28/2017							390	220	240
10/11/2017	33	72	190						
10/12/2017				190	20	170	430	210	210
6/6/2018	41								
6/7/2018		69	190	190	25	170			210
6/8/2018							870	220	
10/16/2018				200					
10/18/2018							1200		210
12/14/2018	43	74	190			180			
12/17/2018					28			270	
4/1/2019	48	82	180	190					
4/2/2019					31	180	1100	240	220
9/16/2019	44								
9/17/2019		79	200	220	33	200	1100	260	220
3/23/2020								250	220
3/24/2020						190			
3/26/2020	44						1000		
3/27/2020		81	180	190	35				
9/14/2020	41	89							
9/15/2020			180	190	36	190	860	250	200
3/30/2021							960	270	220
3/31/2021				200					
4/1/2021					37	210			
4/6/2021			190						
4/7/2021	54	96							
8/18/2021						200	940		
8/19/2021		82	190	200	38			280	230
8/20/2021	60								

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				0.866 (J)	21.6	61.6	313		
5/12/2016	76.9	85.3	131						
6/27/2016				0.86 (J)	17	64			
6/29/2016	78	84	120				280		
8/17/2016				<1	19	63			
8/19/2016		81	120						
8/22/2016	78						300		
10/17/2016				<1		64			
10/18/2016	70	83	130		17		280		
12/6/2016				<1	18	72			
12/7/2016	80	85	140				280		
2/14/2017				1	21	73			
2/15/2017			120						
2/16/2017	77	83					300		
4/12/2017				<1	18	64			
4/13/2017	70	79	100				280		
6/27/2017				<1	19	77	340		
6/28/2017	82	90	120						
10/11/2017				<1	15				
10/12/2017	76	87	120			74	310		
6/6/2018				<1	14	74	320		
6/7/2018	79	94	100						
10/18/2018								550	140
12/14/2018				<1	10	72			
12/17/2018	88	99	96				330		
4/1/2019					16	67	310		
4/2/2019	92	100	95	1.3					
9/16/2019				0.53 (J)			310		
9/17/2019	99				8.7	77			
9/18/2019		100	95						
3/23/2020	120								
3/24/2020		100	71						
3/25/2020				0.58 (J)		62	300		
3/26/2020					15				
9/14/2020				0.46 (J)	17	81	220		
9/15/2020	130	110	72						
3/30/2021	140								
3/31/2021		120	75				240		
4/1/2021				<1	18	74			
8/18/2021	130	110	66	<1	12	78			
8/19/2021							160		

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		6			
10/17/2018	4				
10/18/2018			92	570	250

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
5/11/2016						<0.001		<0.001	<0.001
6/23/2016	8E-05 (J)	<0.001	<0.001				<0.001		
6/24/2016					0.0001 (J)	<0.001			
6/27/2016				<0.001					
6/28/2016								0.0001 (J)	<0.001
8/16/2016	9.5E-05 (J)	<0.001	<0.001		<0.001		<0.001		
8/17/2016				<0.001		<0.001		<0.001	<0.001
10/13/2016	<0.001		<0.001						
10/14/2016		<0.001		<0.001	<0.001		<0.001		
10/17/2016						<0.001		<0.001	<0.001
12/5/2016			<0.001						
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/14/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
2/15/2017								<0.001	<0.001
4/10/2017			<0.001						
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
4/12/2017								<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		
6/27/2017				<0.001				<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001		<0.001				
3/27/2018				<0.001		<0.001	<0.001	<0.001	<0.001
6/5/2018	<0.001	<0.001	<0.001	<0.001			<0.001		
6/6/2018					<0.001	<0.001		<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001		<0.001				
10/8/2018				<0.001		<0.001	<0.001		
10/9/2018								<0.001	
10/16/2018									<0.001
2/18/2019	<0.001	<0.001				<0.001			
2/19/2019			<0.001	<0.001	<0.001		<0.001		
2/20/2019								<0.001	<0.001
3/28/2019				<0.001	<0.001	<0.001	<0.001		
3/29/2019	<0.001	<0.001	<0.001						
4/1/2019								<0.001	<0.001
9/12/2019							<0.001		
9/13/2019			<0.001						
9/16/2019	<0.001	<0.001		<0.001	<0.001	<0.001			<0.001
9/17/2019								<0.001	
2/13/2020	<0.001	<0.001	<0.001						
2/17/2020				<0.001			<0.001		
2/18/2020					0.00033 (J)	0.00049 (J)			0.00016 (J)
2/19/2020								0.00075 (J)	
3/17/2020		<0.001		<0.001	<0.001		<0.001		
3/18/2020	0.00049 (J)		<0.001			0.00021 (J)			
3/25/2020								<0.001	<0.001
9/14/2020	0.00039 (J)	0.00016 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2021	0.00035 (J)	0.00034 (J)	<0.001						
3/31/2021					<0.001	<0.001	<0.001	<0.001	
4/7/2021				<0.001					<0.001
8/17/2021	<0.001	<0.001		<0.001		<0.001			
8/18/2021			<0.001		<0.001		0.0003 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
8/19/2021								0.00024 (J)	0.00015 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.001								
5/12/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
5/13/2016							<0.001	<0.001	
6/28/2016	<0.001	<0.001	<0.001	9E-05 (J)	<0.001				
6/29/2016						<0.001		<0.001	0.0002 (J)
6/30/2016							0.0002 (J)		
8/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
8/22/2016							0.00015 (J)	<0.001	0.00018 (J)
10/17/2016	<0.001	<0.001	<0.001						
10/18/2016				<0.001	<0.001			<0.001	0.00016 (J)
10/19/2016						<0.001	0.00012 (J)		
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)		
12/8/2016								<0.001	0.0001 (J)
2/15/2017	<0.001	<0.001	<0.001	8.5E-05 (J)		<0.001			
2/16/2017					<0.001		0.00013 (J)	<0.001	0.00014 (J)
4/12/2017	<0.001	<0.001	<0.001	9.5E-05 (J)					
4/13/2017					<0.001	<0.001	0.00012 (J)	<0.001	0.00021 (J)
6/27/2017	<0.001	<0.001	<0.001	0.0001 (J)	<0.001	<0.001			
6/28/2017							0.00013 (J)	<0.001	0.00018 (J)
3/27/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/28/2018							0.00011 (J)	<0.001	9E-05 (J)
6/6/2018	<0.001								
6/7/2018		<0.001	<0.001	<0.001	<0.001	<0.001			0.00014 (J)
6/8/2018							0.00019 (J)	<0.001	
10/8/2018	<0.001	<0.001	<0.001		<0.001	<0.001			
10/9/2018								<0.001	
10/16/2018				0.0001 (J)					
10/18/2018							0.00019 (J)		0.00018 (J)
2/20/2019	<0.001	<0.001	<0.001	9.8E-05 (J)	<0.001	<0.001	0.00021 (J)	<0.001	0.00018 (J)
4/1/2019	<0.001	<0.001	<0.001	9.5E-05 (J)					
4/2/2019					<0.001	<0.001	0.00016 (J)	<0.001	0.00017 (J)
9/16/2019	<0.001								
9/17/2019		<0.001	<0.001	0.00016 (J)	<0.001	<0.001	0.00025 (J)	<0.001	0.00021 (J)
2/18/2020									0.00033 (J)
2/19/2020	0.00034 (J)	0.00022 (J)	0.00018 (J)	0.00031 (J)	<0.001	<0.001		<0.001	
2/20/2020							0.00066 (J)		
3/23/2020								<0.001	0.00016 (J)
3/24/2020						<0.001			
3/26/2020	<0.001						0.00029 (J)		
3/27/2020		<0.001	0.0011	0.00045 (J)	<0.001				
9/14/2020	0.00023 (J)	<0.001							
9/15/2020			0.00035 (J)	0.00027 (J)	<0.001	<0.001	0.00027 (J)	<0.001	0.00028 (J)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001				
2/10/2021						0.00024 (J)	0.00068 (J)	<0.001	0.00025 (J)
3/30/2021							0.00024 (J)	<0.001	0.00018 (J)
3/31/2021				<0.001					
4/1/2021					<0.001	<0.001			
4/6/2021			0.00017 (J)						
4/7/2021	<0.001	<0.001							
8/18/2021						<0.001	0.00022 (J)		
8/19/2021		<0.001	<0.001	<0.001	<0.001			<0.001	0.00018 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
8/20/2021	<0.001								

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				<0.001	<0.001	<0.001	<0.001		
5/12/2016	<0.001	<0.001	<0.001						
6/27/2016				<0.001	<0.001	<0.001			
6/29/2016	<0.001	<0.001	<0.001				<0.001		
8/17/2016				<0.001	<0.001	<0.001			
8/19/2016		<0.001	<0.001						
8/22/2016	<0.001						<0.001		
10/17/2016				<0.001		<0.001			
10/18/2016	<0.001	<0.001	<0.001		<0.001		<0.001		
12/6/2016				<0.001	<0.001	<0.001			
12/7/2016	<0.001	<0.001	<0.001				<0.001		
2/14/2017				<0.001	<0.001	<0.001			
2/15/2017			<0.001						
2/16/2017	<0.001	<0.001					<0.001		
4/12/2017				<0.001	<0.001	<0.001			
4/13/2017	<0.001	<0.001	<0.001				<0.001		
6/27/2017				<0.001	<0.001	<0.001	<0.001		
6/28/2017	<0.001	<0.001	<0.001						
3/27/2018			<0.001	<0.001	<0.001	<0.001			
3/28/2018	<0.001	<0.001					<0.001		
6/6/2018				<0.001	<0.001	<0.001	<0.001		
6/7/2018	<0.001	<0.001	<0.001						
10/8/2018	<0.001	<0.001	<0.001	<0.001					
10/9/2018					<0.001	<0.001	<0.001		
10/18/2018								<0.001	<0.001
2/19/2019		<0.001	<0.001						
2/20/2019	<0.001			<0.001	<0.001	<0.001	<0.001		
4/1/2019					<0.001	<0.001	<0.001		
4/2/2019	<0.001	<0.001	<0.001	<0.001					
9/16/2019				<0.001			<0.001		
9/17/2019	<0.001				<0.001	0.00023 (J)			
9/18/2019		<0.001	<0.001						
2/18/2020	<0.001	<0.001	<0.001	0.00028 (J)	0.00022 (J)	0.0002 (J)			
2/19/2020							0.00027 (J)		
3/23/2020	<0.001								
3/24/2020		<0.001	<0.001						
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		
9/15/2020	<0.001	0.00038 (J)	0.00016 (J)						
2/9/2021				<0.001	<0.001	<0.001	<0.001		
2/10/2021	<0.001	<0.001	<0.001						
3/30/2021	<0.001								
3/31/2021		<0.001	<0.001				<0.001		
4/1/2021				0.00023 (J)	0.00042 (J)	0.00021 (J)			
8/18/2021	<0.001	<0.001	<0.001	0.00017 (J)	<0.001	<0.001			
8/19/2021							0.0004 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		<0.001			
10/17/2018	<0.001				
10/18/2018			<0.001	<0.001	<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

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)	SGWC-10	SGWC-11
5/10/2016	44	96	110	100	59		64		
5/11/2016						91		68	80
6/23/2016	38	91	118				58		
6/24/2016					39	78			
6/27/2016				117					
6/28/2016								41	134
8/16/2016	22	100	110		38		52		
8/17/2016				86		100		70	42
10/13/2016	66		120						
10/14/2016		100		80	34		58		
10/17/2016						58		6	24
12/5/2016			110						
12/6/2016	54	110		110	70	98	72	40	70
2/14/2017	18	76	86	98	32	78	52		
2/15/2017								18	34
4/10/2017			120						
4/11/2017	50	120		110	64	110	78		
4/12/2017								18	36
6/26/2017	60	110	130		64	110	80		
6/27/2017				18				50	8
10/10/2017	36	100	110						
10/11/2017				94	42	120	64		56
10/12/2017								46	
6/5/2018	8	74	76	80			50		
6/6/2018					46	120		38	40
10/16/2018									100
12/13/2018	16	110	100	4 (J)	4 (J)	94	58		
12/17/2018								38	
3/28/2019				79	43	110	58		
3/29/2019	<10	72	110						
4/1/2019								82	33
9/12/2019							22		
9/13/2019			200						
9/16/2019	17	91		42	19	57			<10
9/17/2019								17	
3/17/2020		100		98	52		30		
3/18/2020	25		110			140			
3/25/2020								59	38
9/14/2020	20	93	95	71	55	110	36	45	39
3/30/2021	32	110	110						
3/31/2021					57	120	35	64	
4/7/2021				95					40
8/17/2021	27	110		97		130			
8/18/2021			120		66		53		
8/19/2021								54	36

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20
5/11/2016	195								
5/12/2016		190	309	298	46	261			386
5/13/2016							728	366	
6/28/2016	200	198	333	337	60				
6/29/2016						323		370	436
6/30/2016							742		
8/18/2016	200	180	320	310	48	310			
8/22/2016							670	350	290
10/17/2016	160	140	320						
10/18/2016				320	60			340	200
10/19/2016						330 (D)	700		
12/6/2016	220	110							
12/7/2016			340	270	64	370	720		
12/8/2016								350	370
2/15/2017	200	160	340	310		350			
2/16/2017					40		600	340	350
4/12/2017	180	140	300	280					
4/13/2017					76	390	640	350	380
6/27/2017	200	170	320	290	50	350			
6/28/2017							540	340	320
10/11/2017	190	170	340						
10/12/2017				330	68	380	640	370	350
6/6/2018	260								
6/7/2018		190	340	310	74	360			320
6/8/2018							820	320	
10/16/2018				350					
10/18/2018							1200		370
12/14/2018	190	140	280			390			
12/17/2018					42			250	
4/1/2019	200	190	330	330					
4/2/2019					73	400	1700	420	370
9/16/2019	200								
9/17/2019		170	310	320	59	380	1600	400	320
3/23/2020								390	330
3/24/2020						430			
3/26/2020	200						1600		
3/27/2020		200	330	330	99				
9/14/2020	190	190							
9/15/2020			360	340	90	440	1500	450	350
3/30/2021							1500	420	350
3/31/2021				300					
4/1/2021					88	410			
4/6/2021			320						
4/7/2021	210	200							
8/18/2021						450	1400		
8/19/2021		210	370	320	100			440	340
8/20/2021	220								

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9	PZ-41S	PZ-43S
5/11/2016				104	222	330	527		
5/12/2016	260	212	288						
6/27/2016				112	275	423			
6/29/2016	311	214	272				562		
8/17/2016				86	220	410			
8/19/2016		230	290						
8/22/2016	390						500		
10/17/2016				60		370			
10/18/2016	300	190	270		210		490		
12/6/2016				90	250	420			
12/7/2016	310	230	300				510		
2/14/2017				54	210	370			
2/15/2017			260						
2/16/2017	310	200					520		
4/12/2017				64	200	370			
4/13/2017	300	220	300				590		
6/27/2017				40	180	380	550		
6/28/2017	290	190	250						
10/11/2017				82	210				
10/12/2017	290	230	280			400	560		
6/6/2018				100	210	410	590		
6/7/2018	260	210	220						
10/18/2018								670	230
12/14/2018				44	170	390			
12/17/2018	310	260	30				510		
4/1/2019					200	370	580		
4/2/2019	300	240	250	91					
9/16/2019				76			550		
9/17/2019	290				140	380			
9/18/2019		470	490						
3/23/2020	330								
3/24/2020		250	210						
3/25/2020				94		360	540		
3/26/2020					180				
9/14/2020				99	200	360	470		
9/15/2020	390	250	210						
3/30/2021	380								
3/31/2021		240	220				430		
4/1/2021				83	200	360			
8/18/2021	380	260	210	140	210	410			
8/19/2021							380		

Time Series

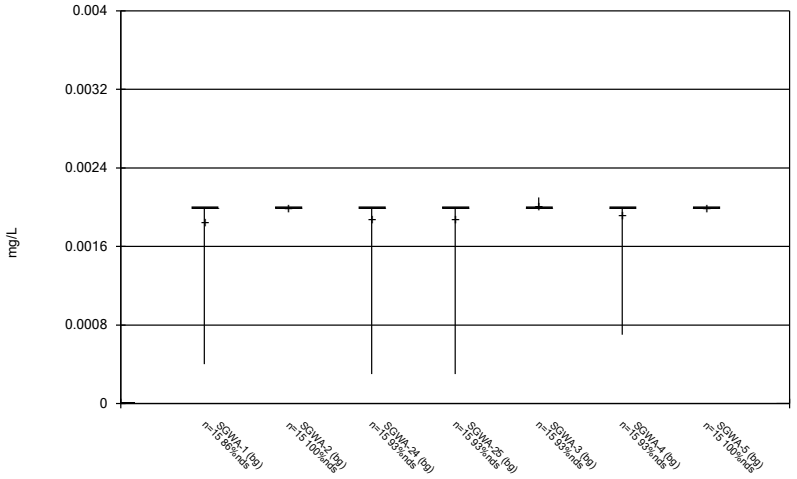
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 12/14/2021 8:59 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-44I	PZ-17I	PZ-40I	PZ-42I
10/16/2018		180			
10/17/2018	140				
10/18/2018			260	840	440

FIGURE B.

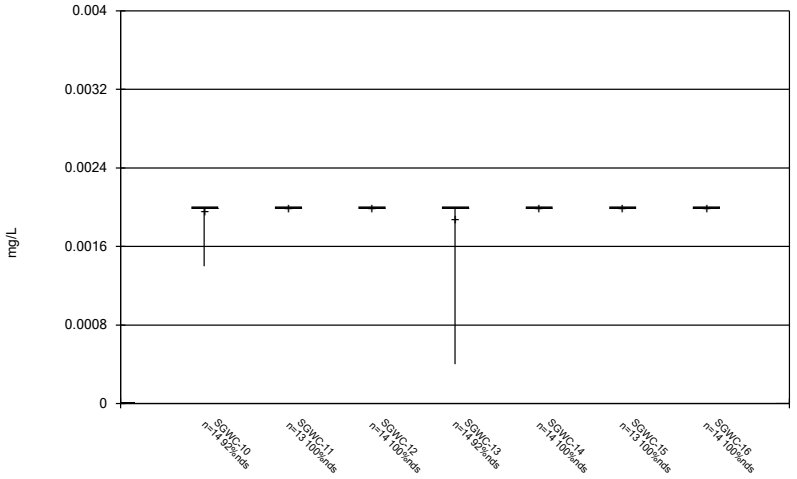
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/14/2021 9:02 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

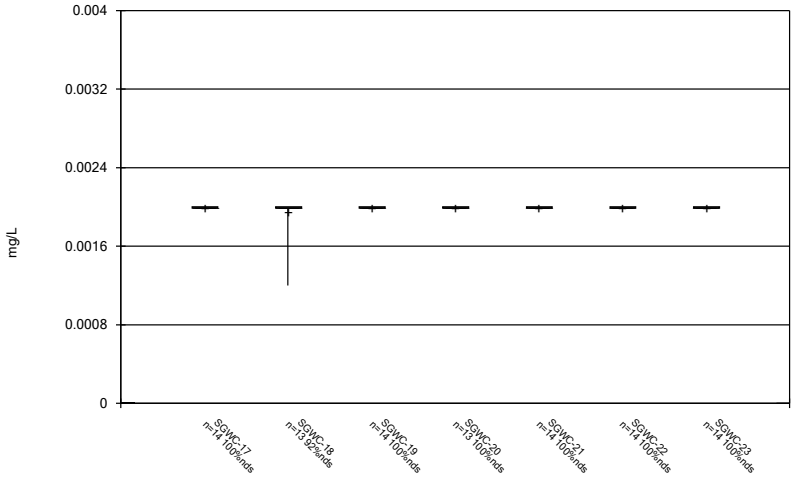
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/14/2021 9:02 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

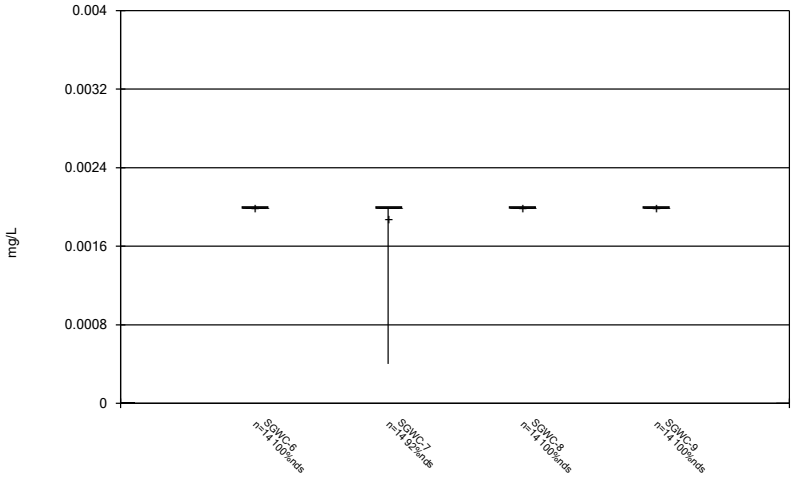
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/14/2021 9:02 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

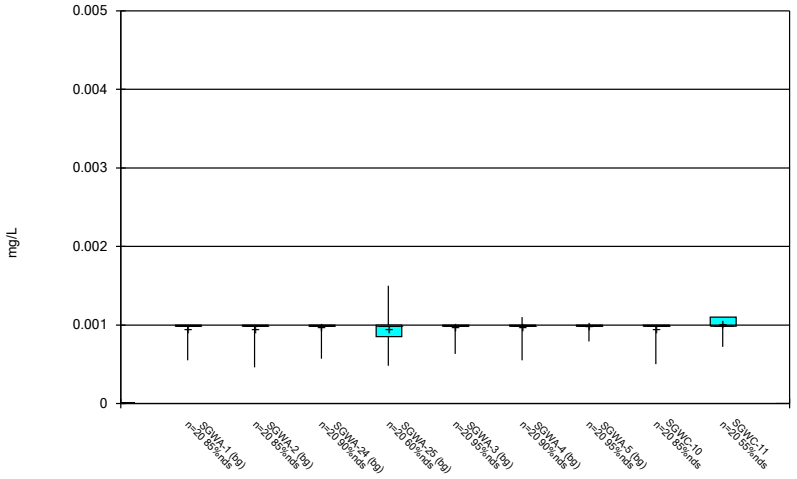
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/14/2021 9:02 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

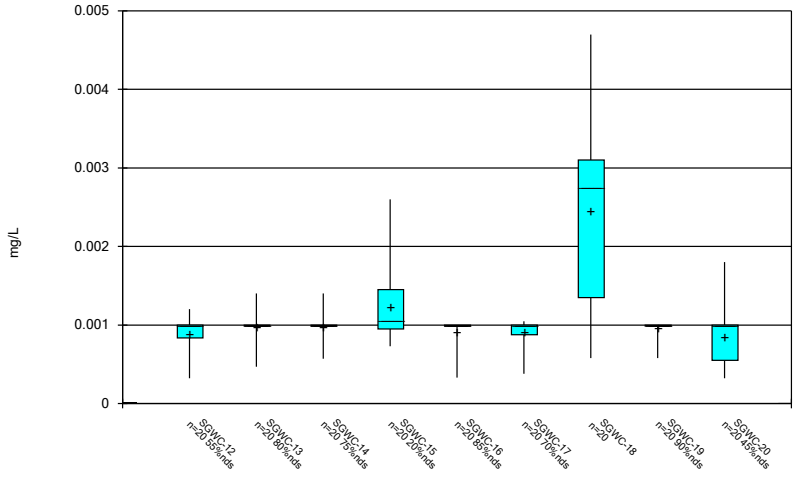
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/14/2021 9:03 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

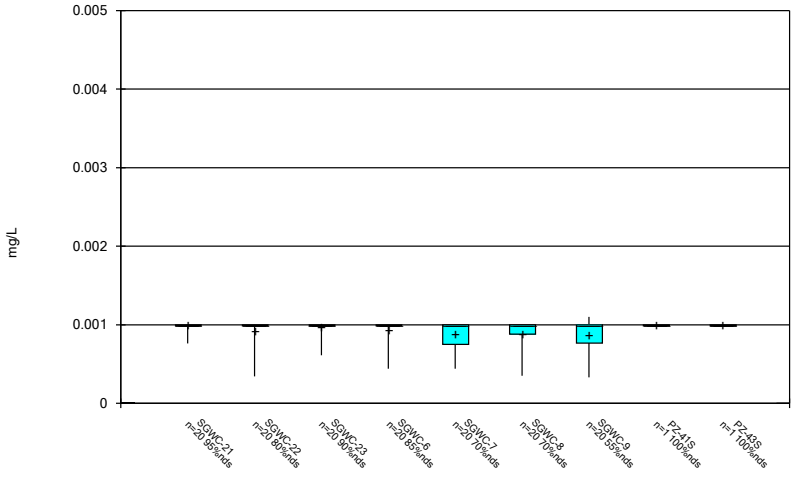
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/14/2021 9:03 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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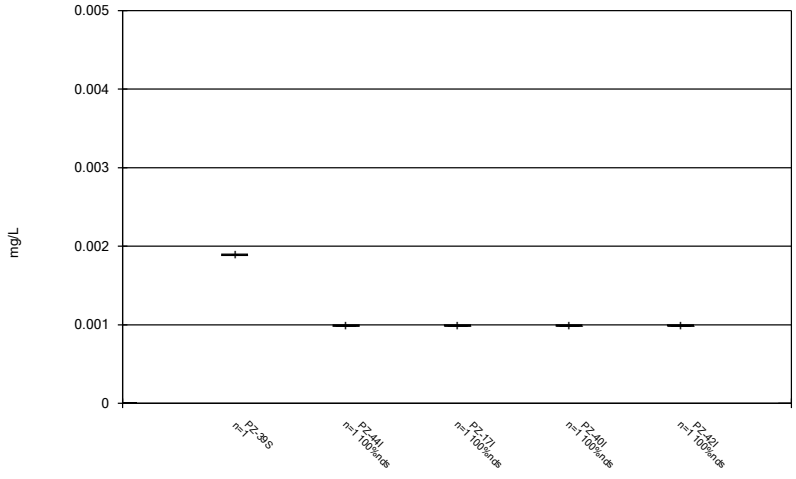
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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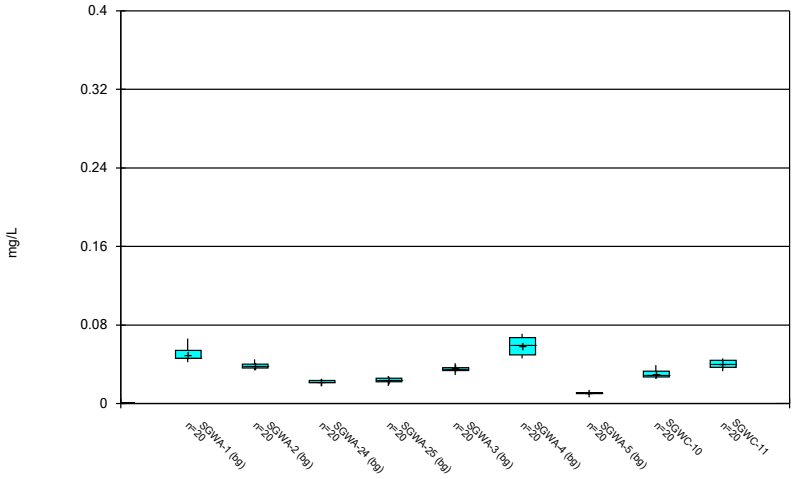
Box & Whiskers Plot



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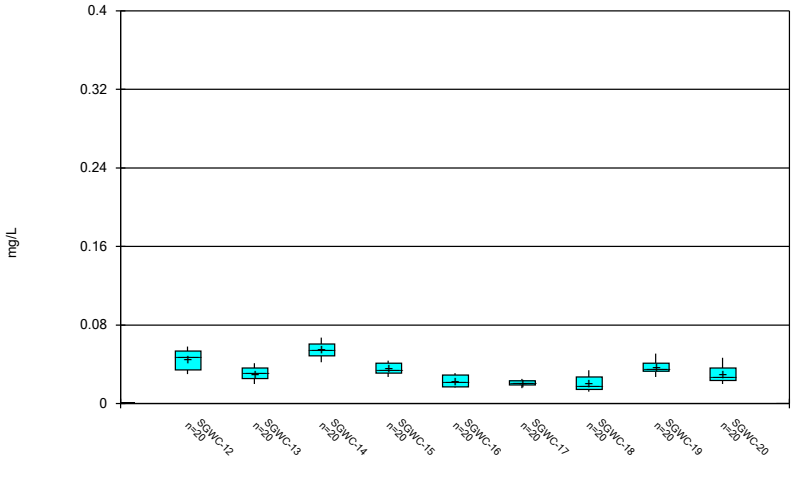
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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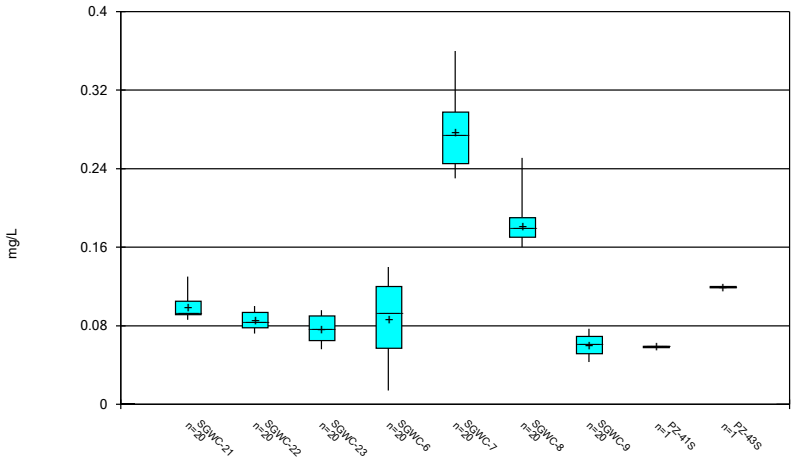
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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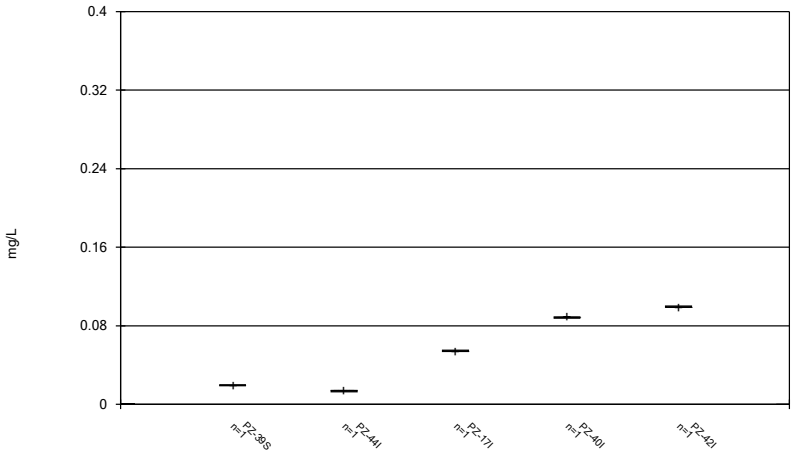
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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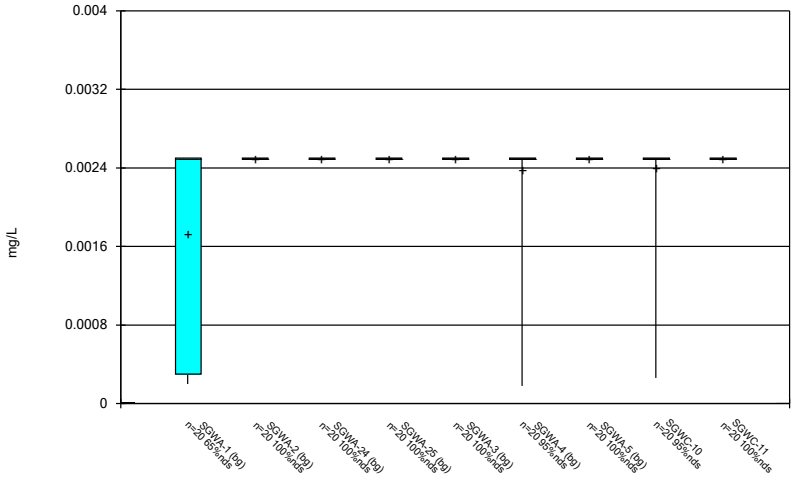
Plant Scherer Client: Southern Company Data: Scherer AP

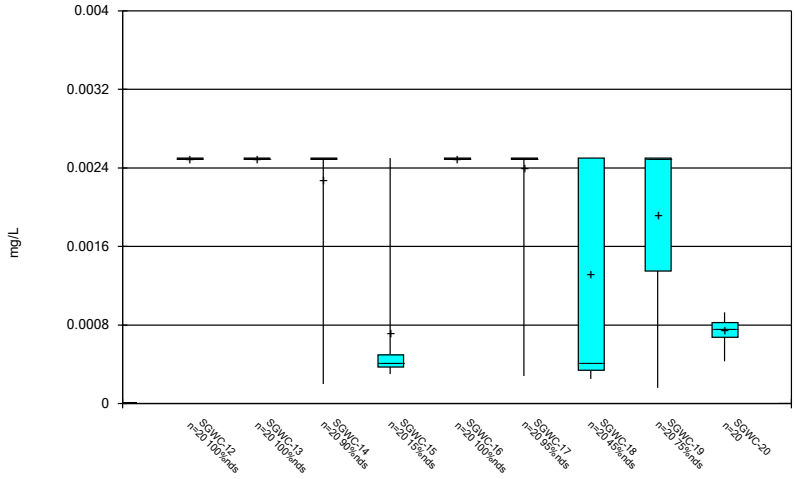
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 12/14/2021 9:03 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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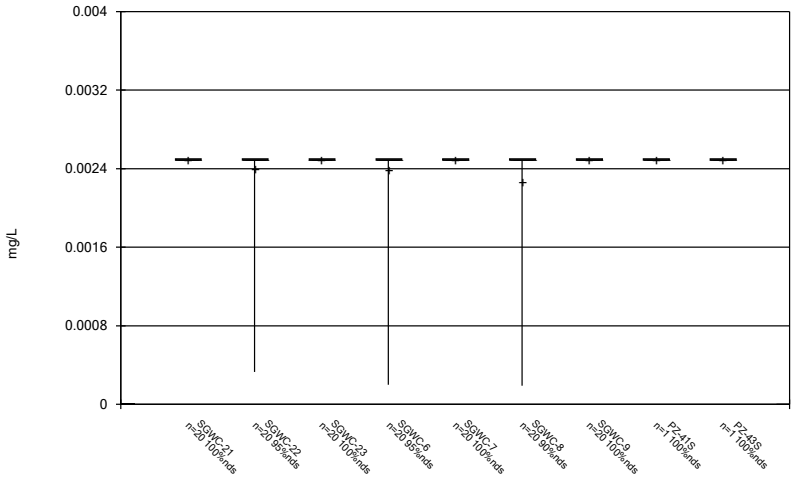
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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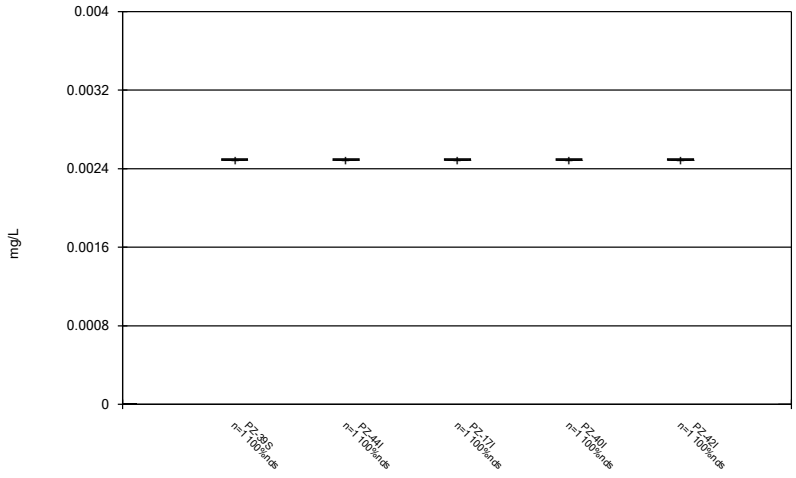
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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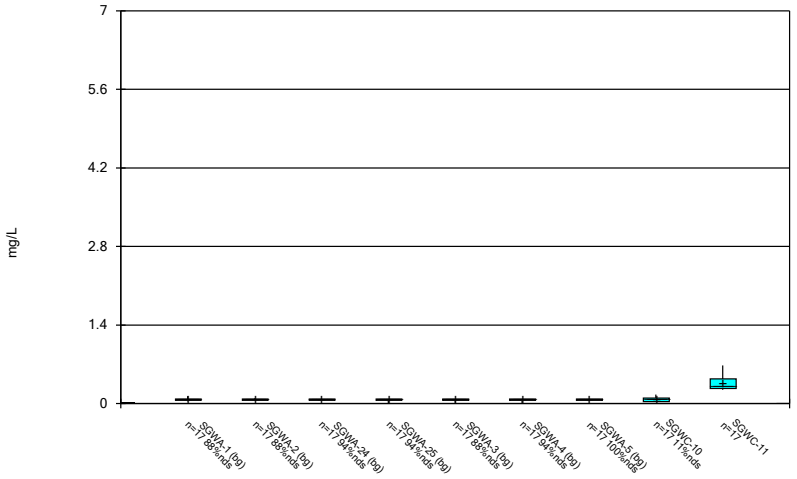
Plant Scherer Client: Southern Company Data: Scherer AP

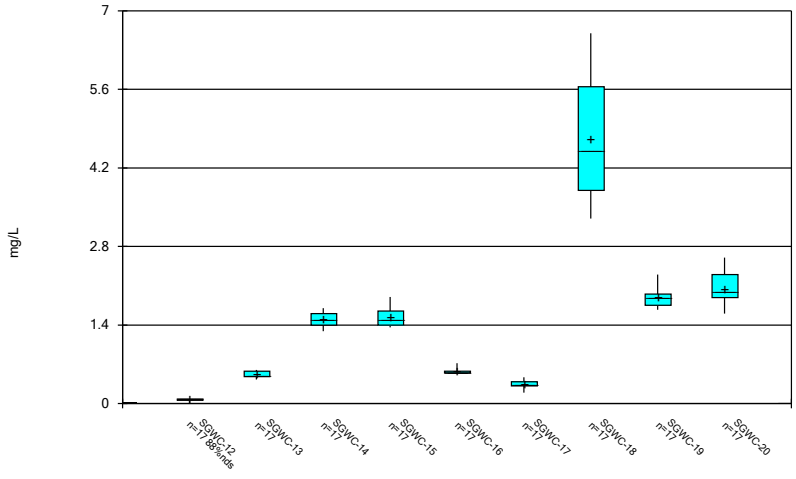
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 12/14/2021 9:03 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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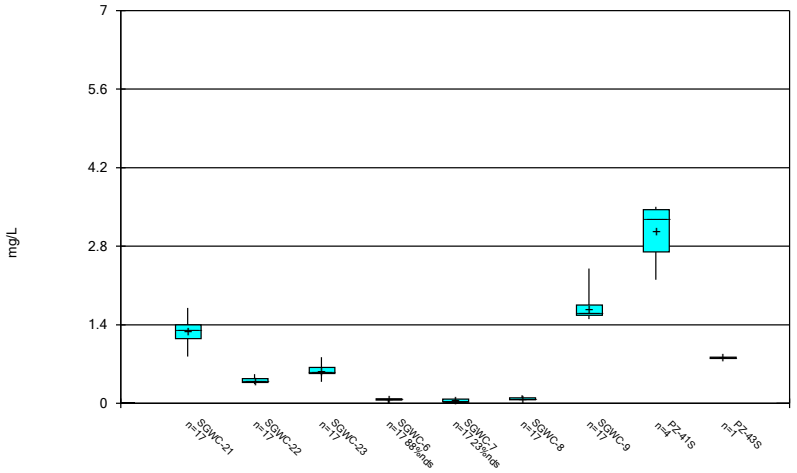
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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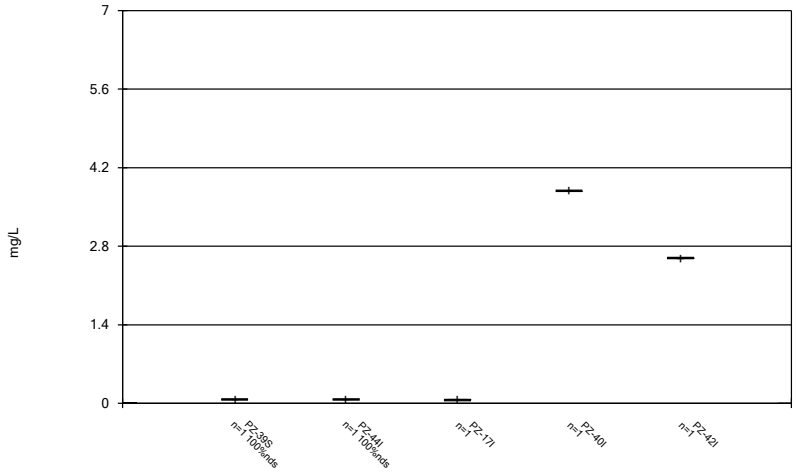
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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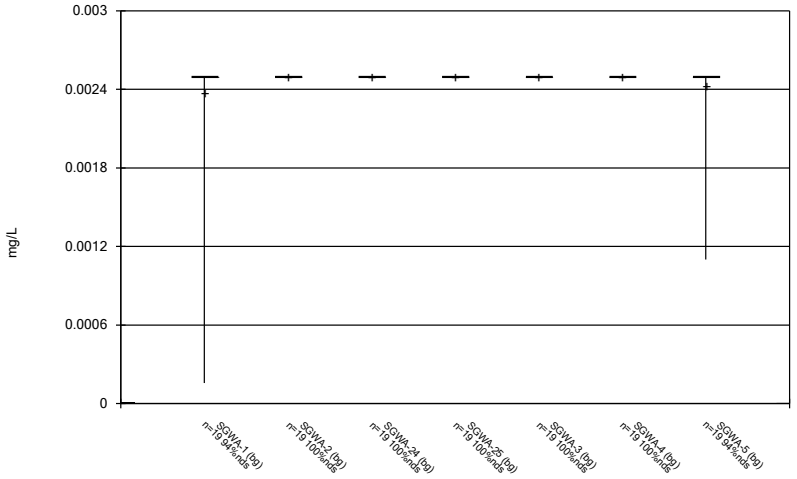
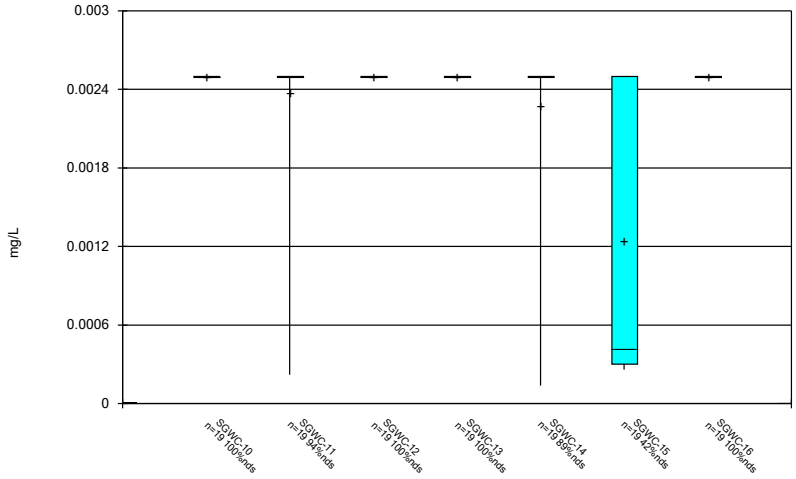
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/14/2021 9:06 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

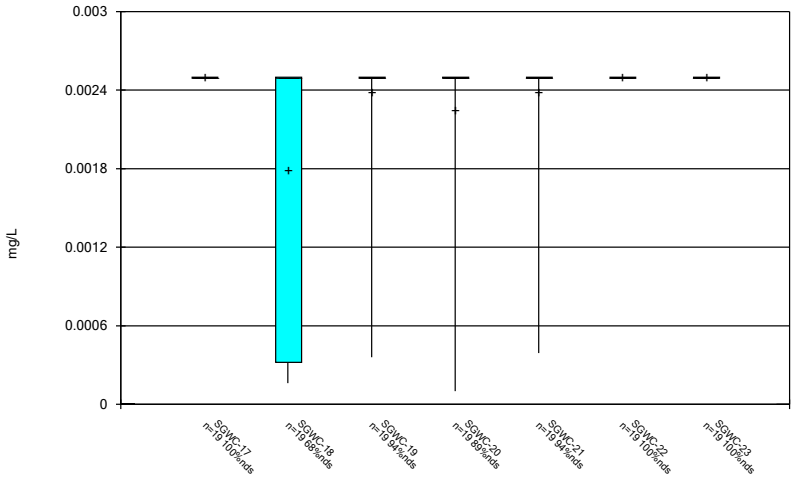
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/14/2021 9:06 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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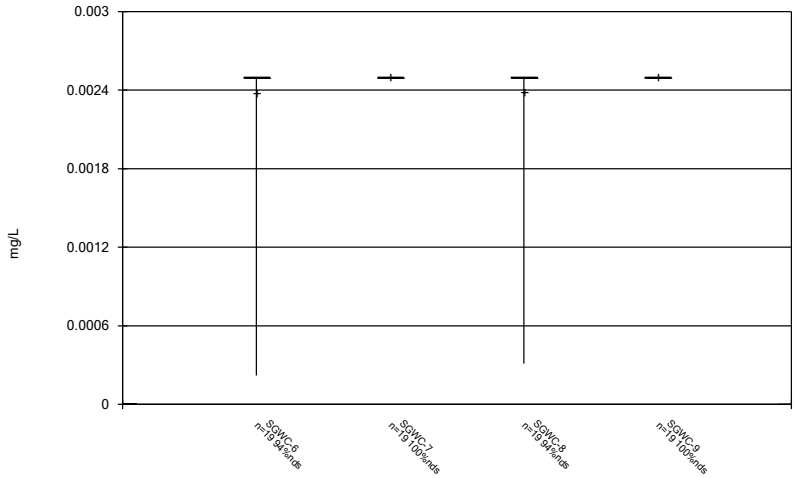
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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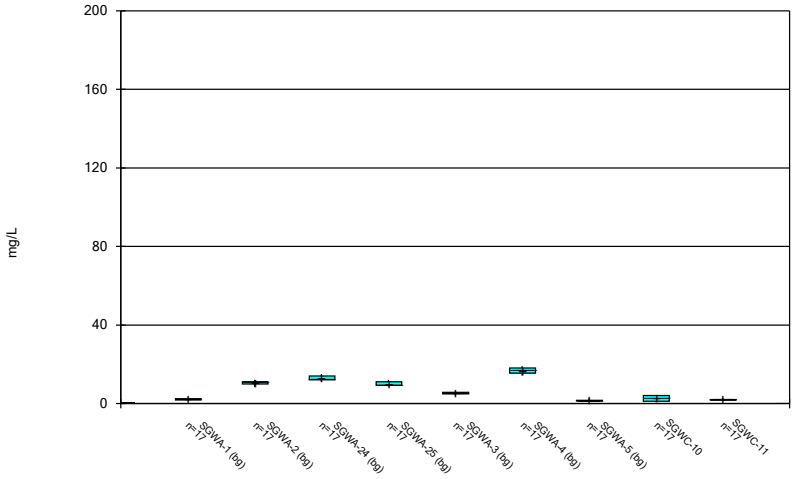
Plant Scherer Client: Southern Company Data: Scherer AP

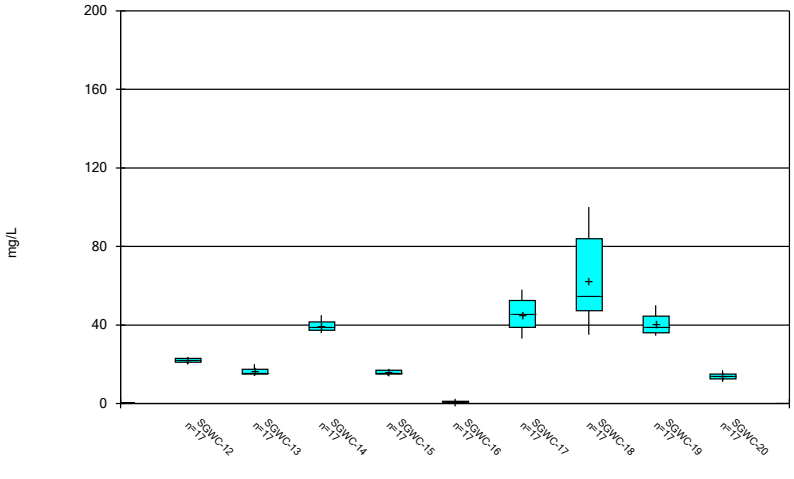
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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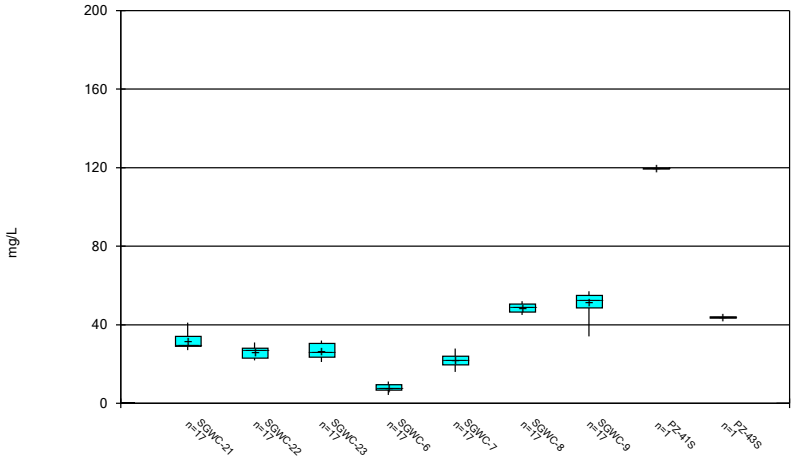
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

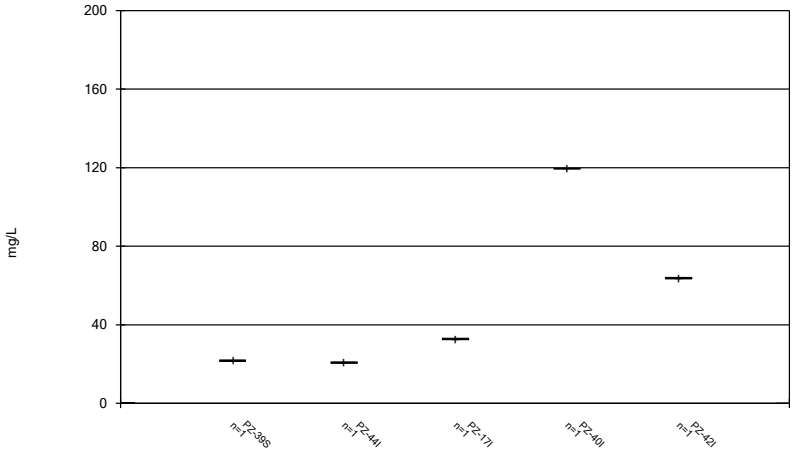
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

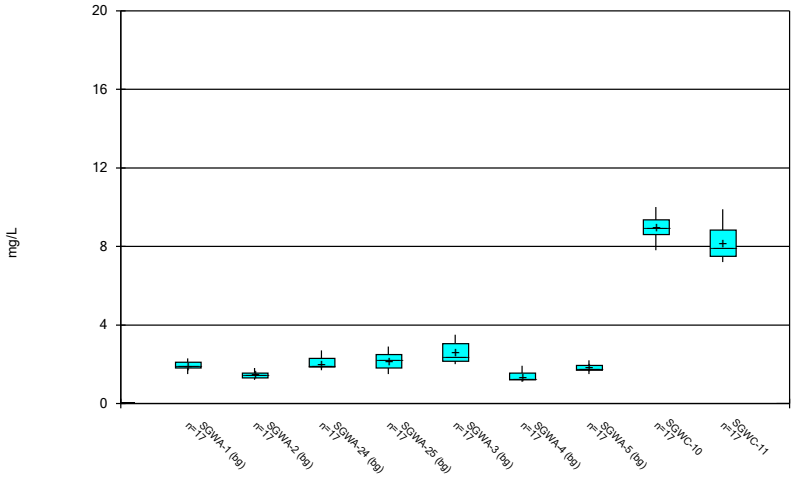
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

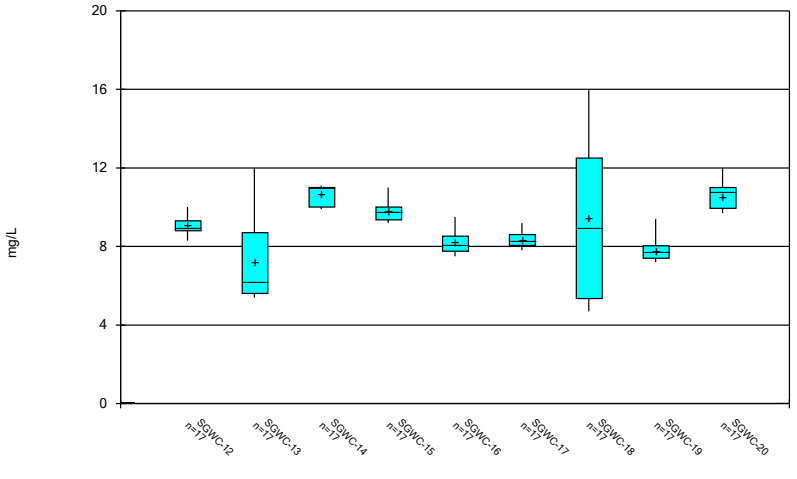
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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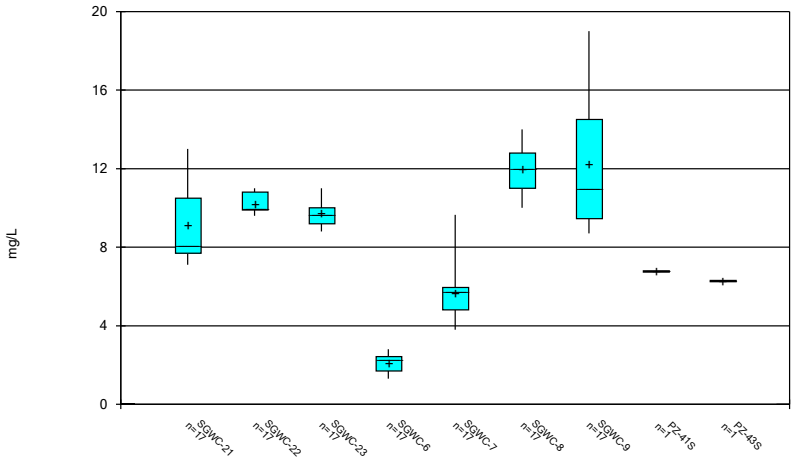
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

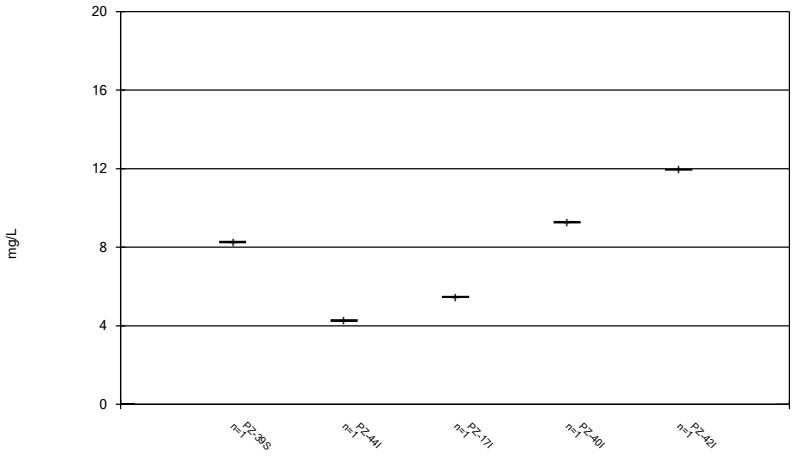
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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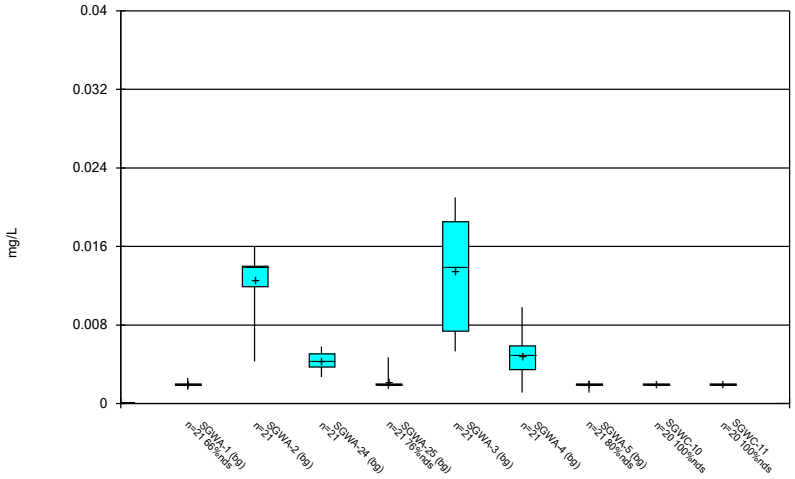
Plant Scherer Client: Southern Company Data: Scherer AP

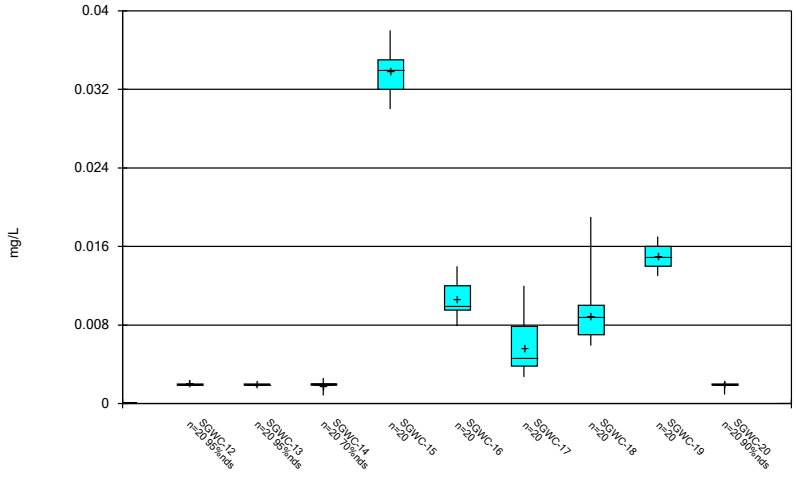
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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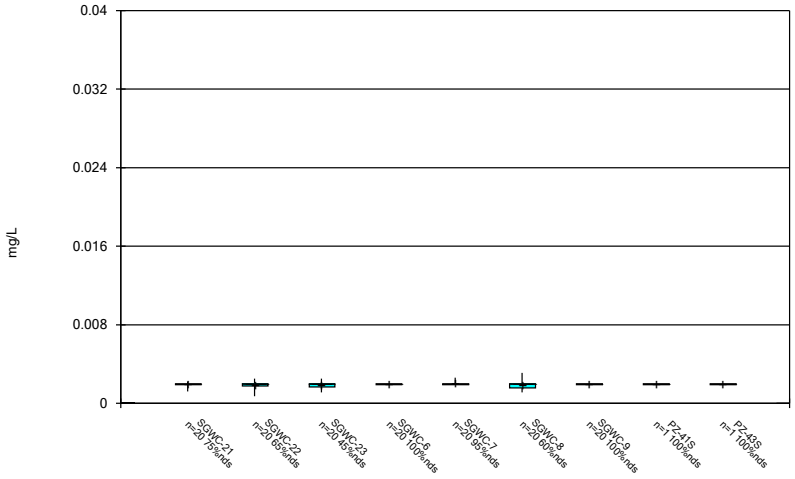
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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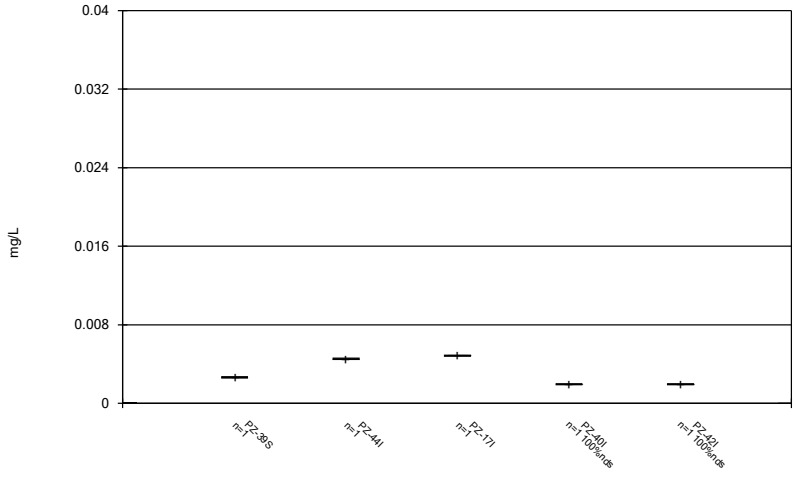
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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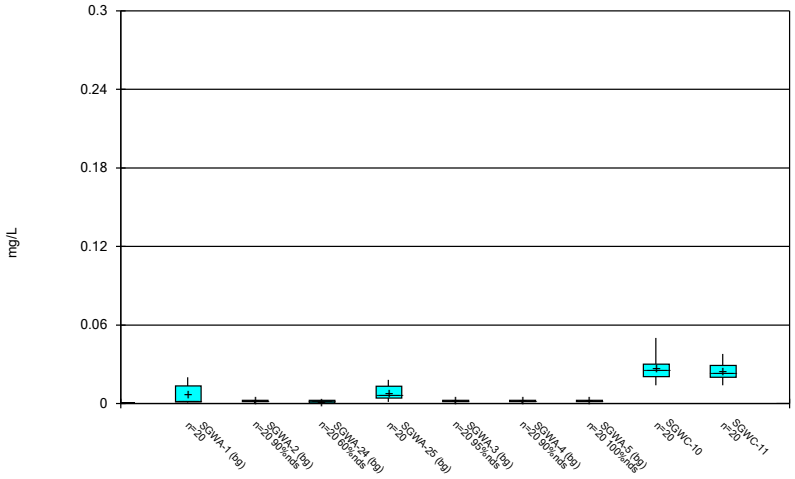
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



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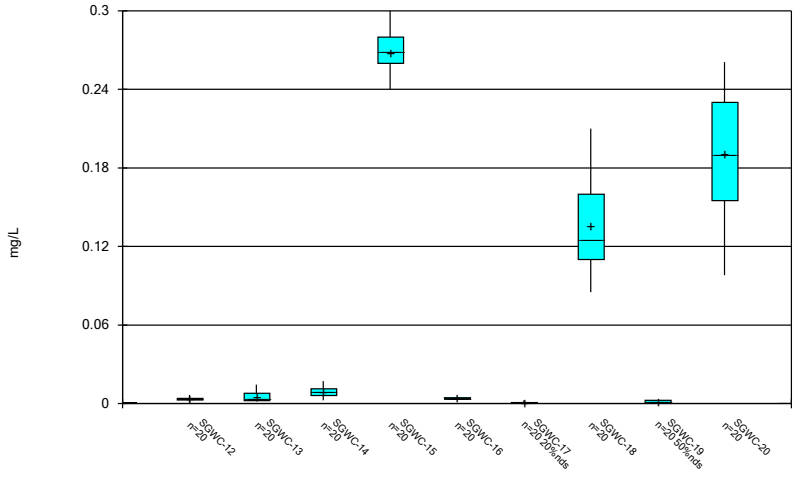
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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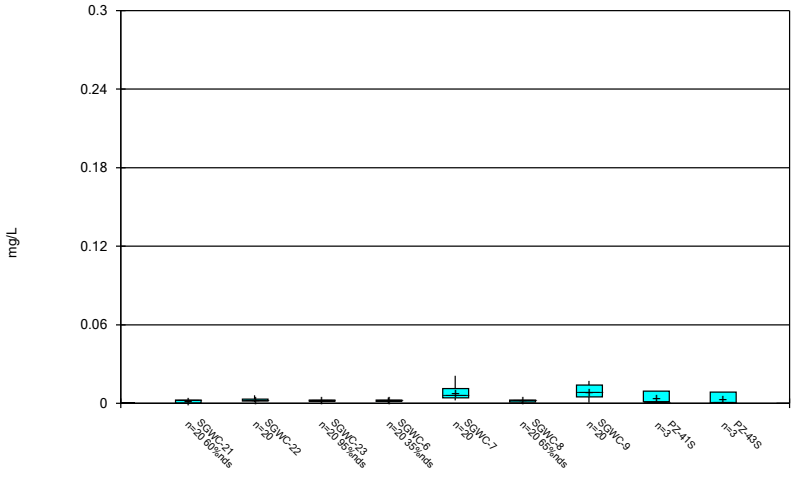
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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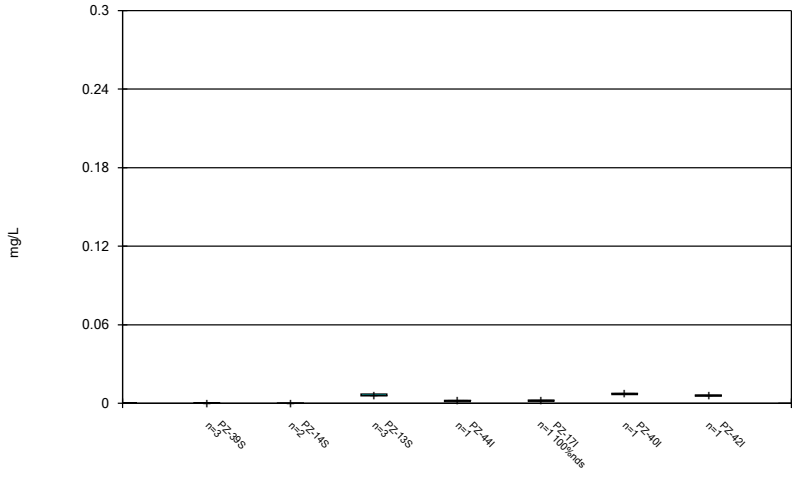
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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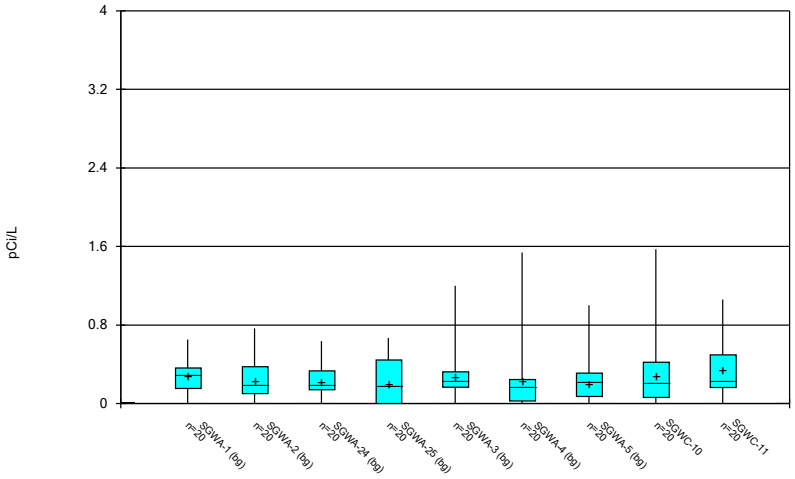
Plant Scherer Client: Southern Company Data: Scherer AP

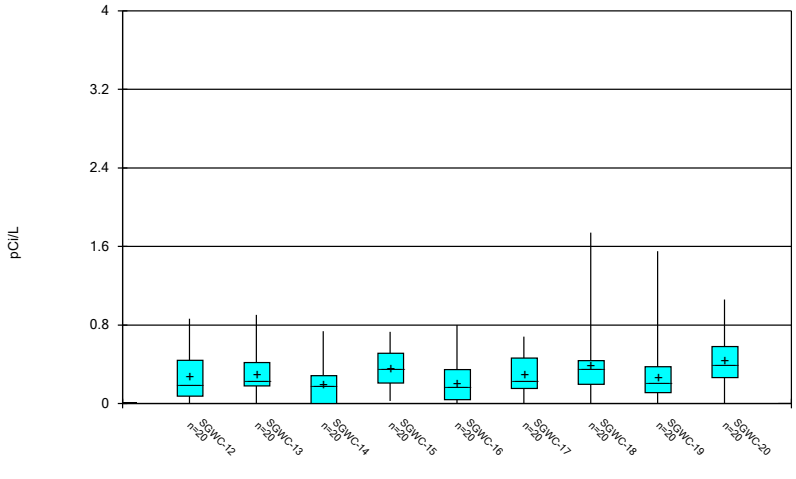
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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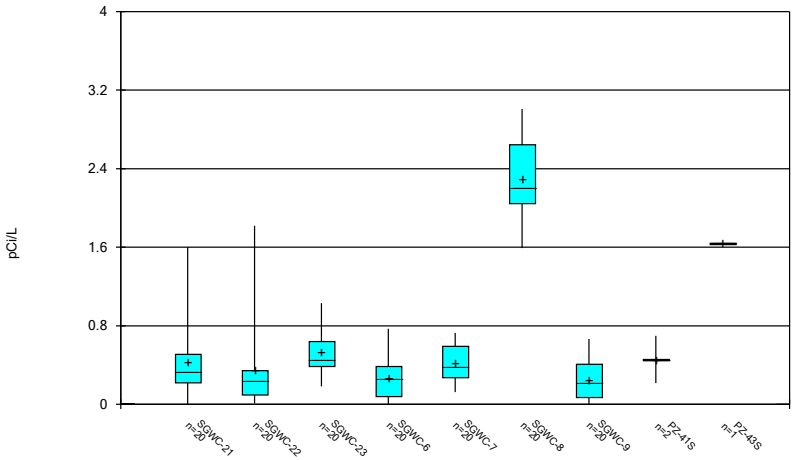
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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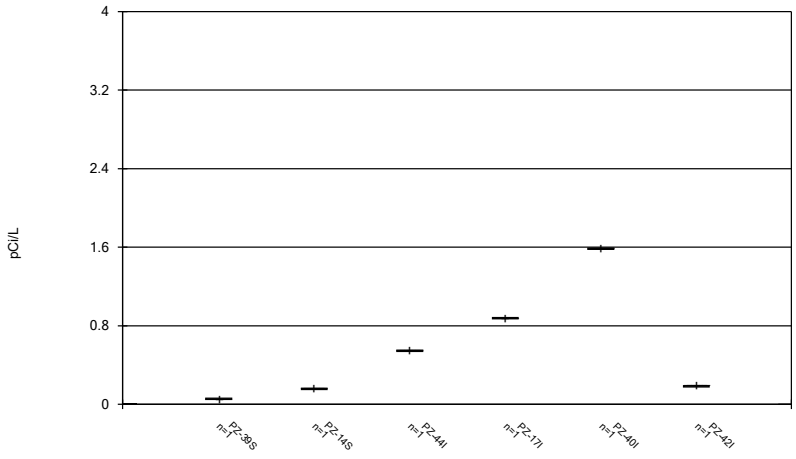
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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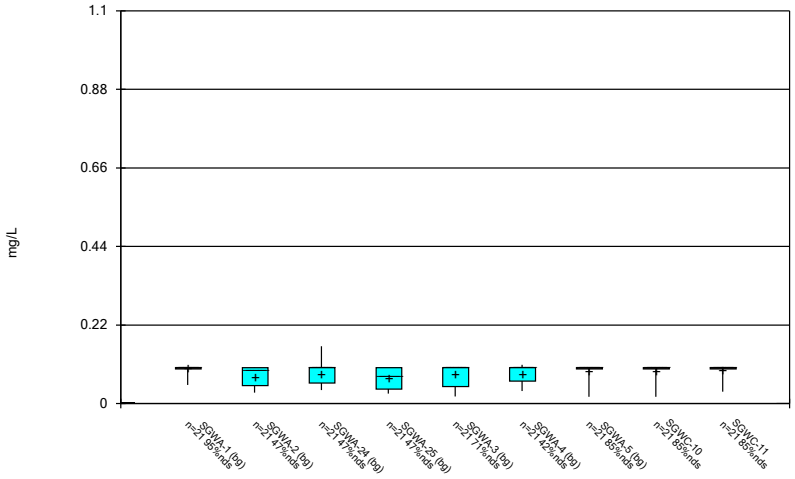
Plant Scherer Client: Southern Company Data: Scherer AP

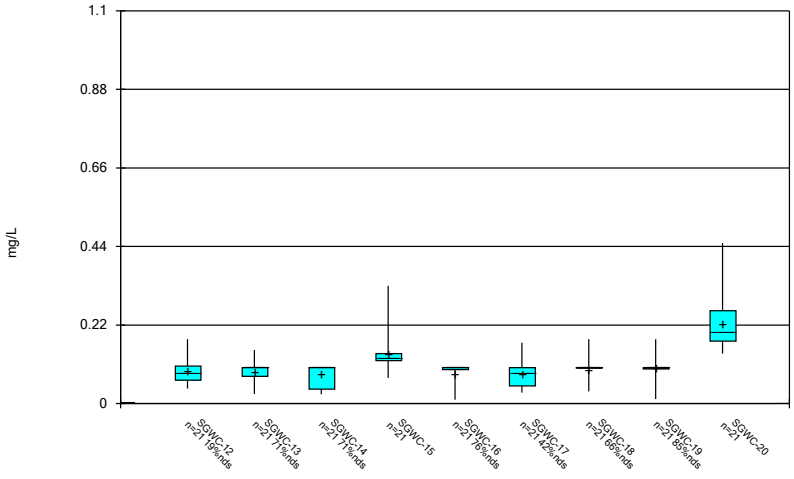
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 12/14/2021 9:07 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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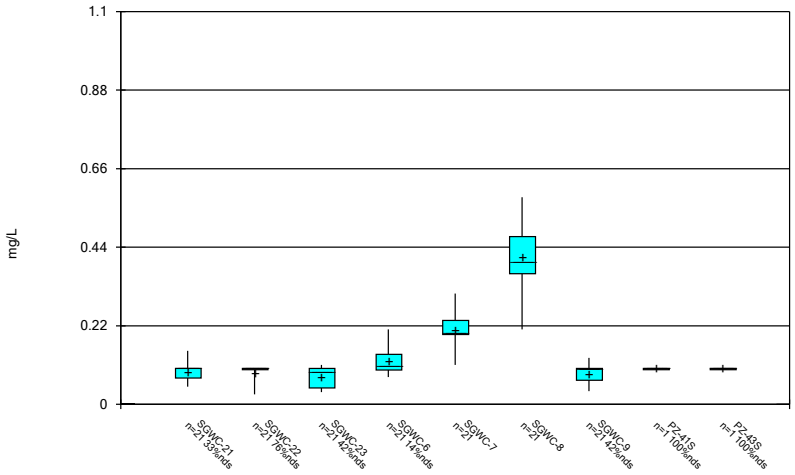
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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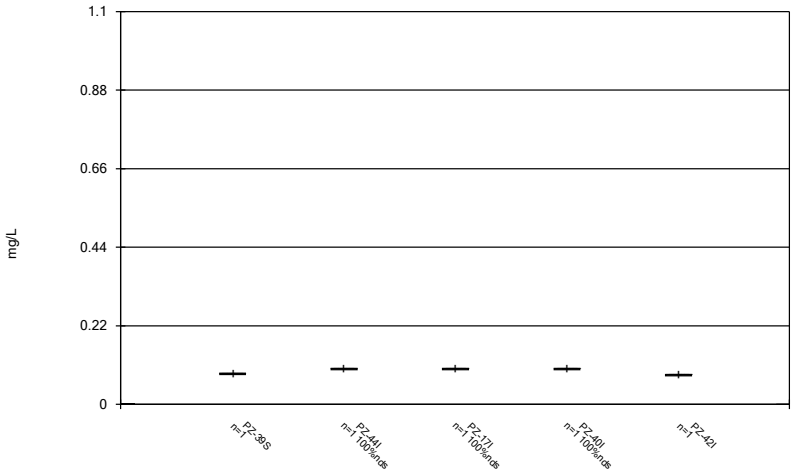
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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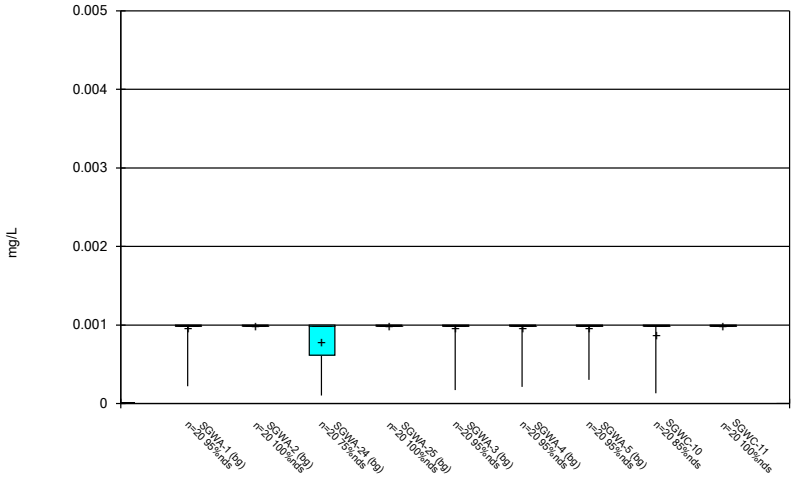
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



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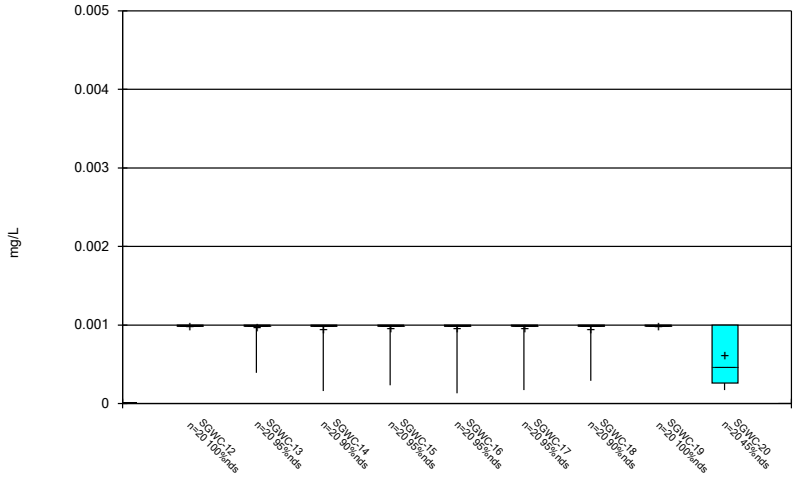
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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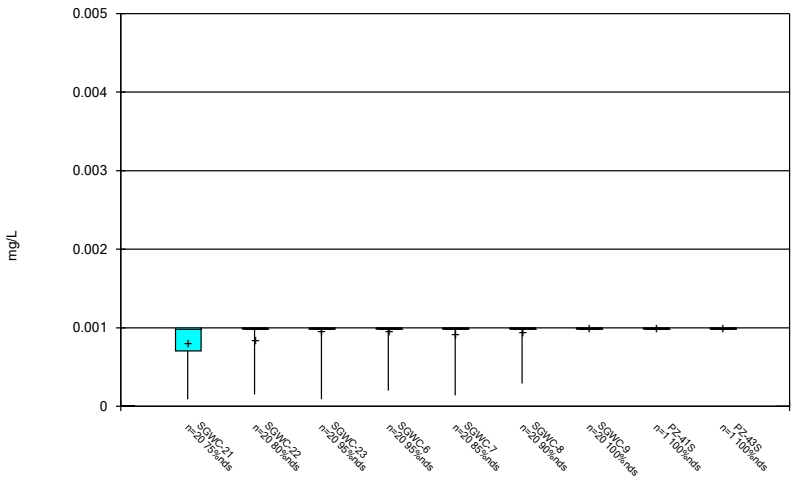
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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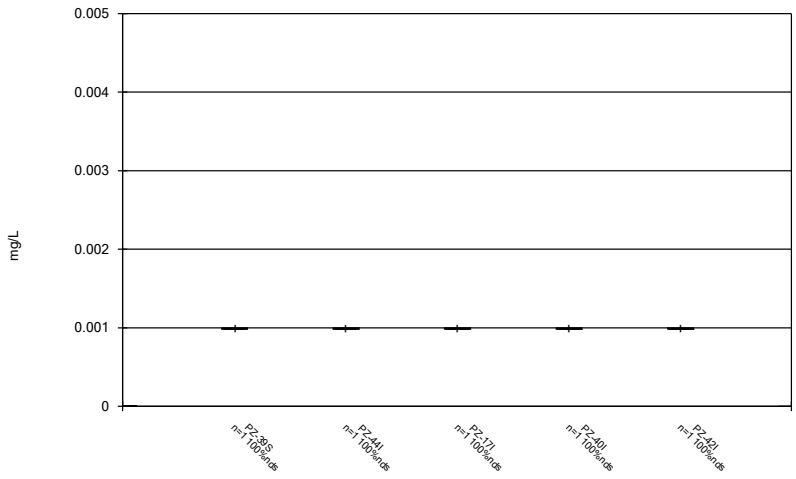

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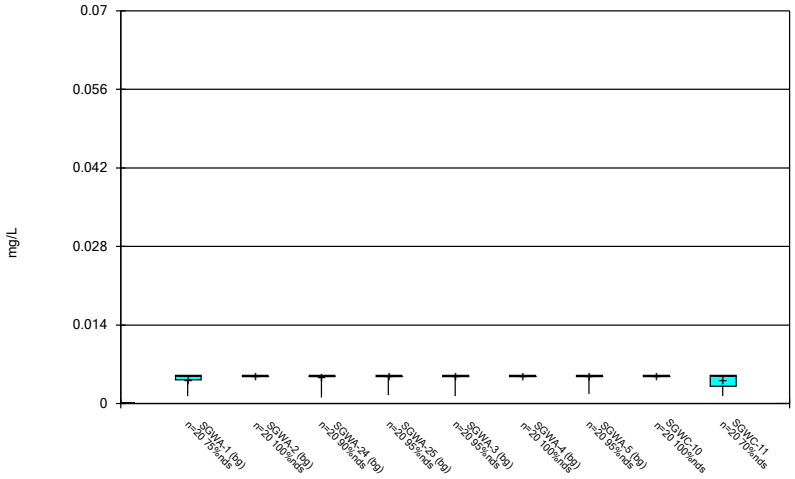
Plant Scherer Client: Southern Company Data: Scherer AP

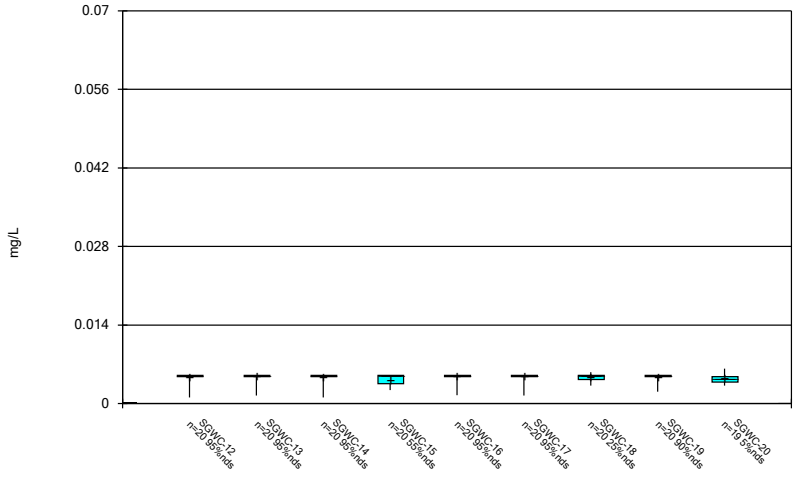
Box & Whiskers Plot



Constituent: Lithium Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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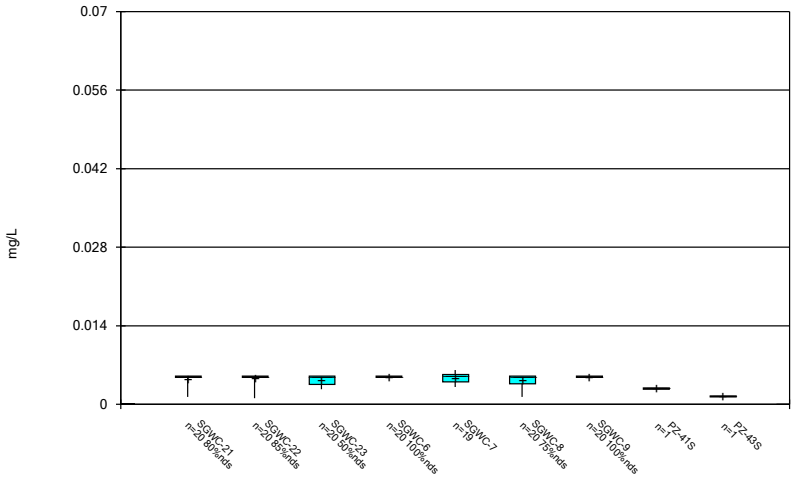
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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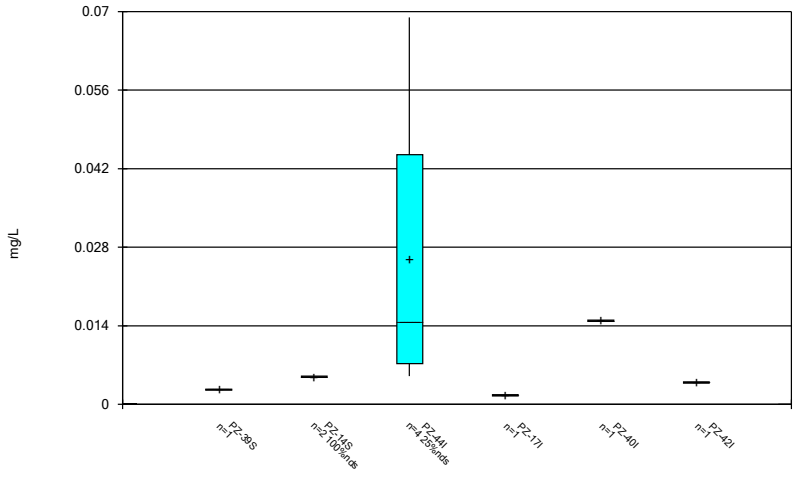
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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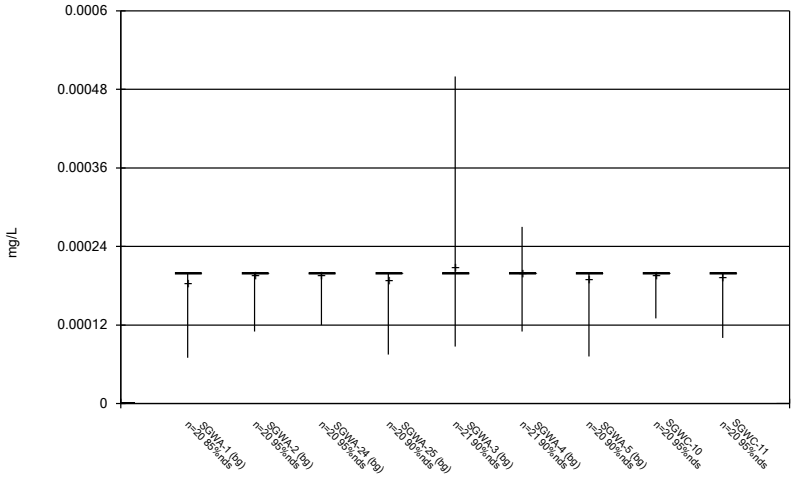
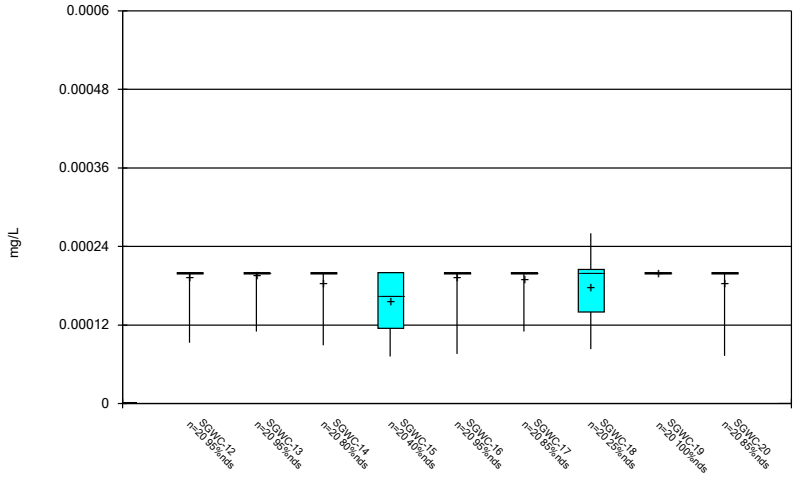
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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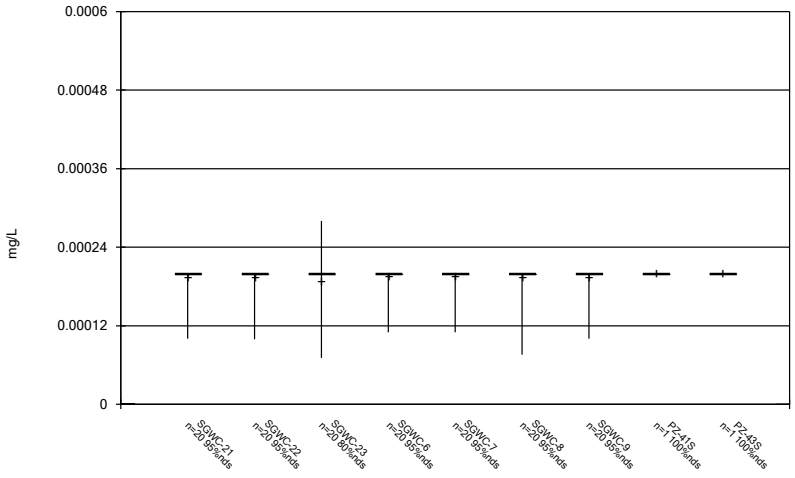
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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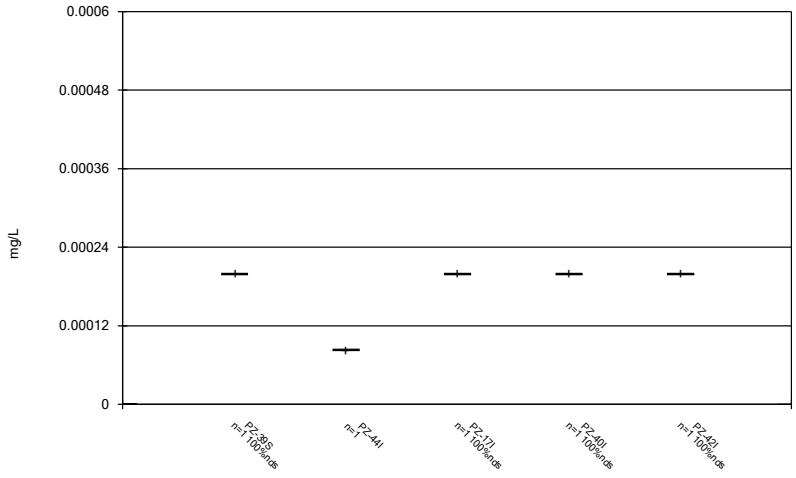
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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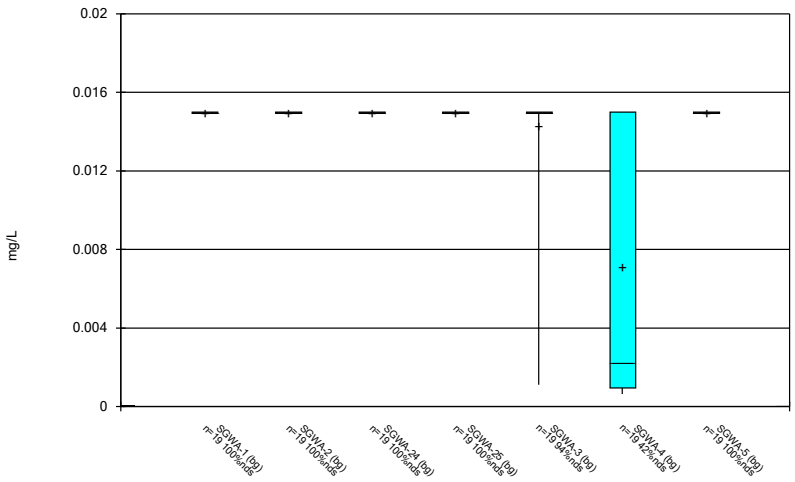
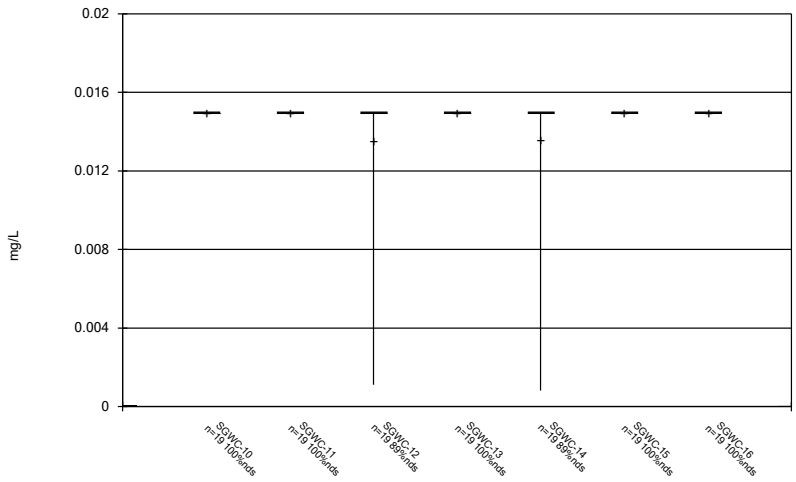
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 12/14/2021 9:06 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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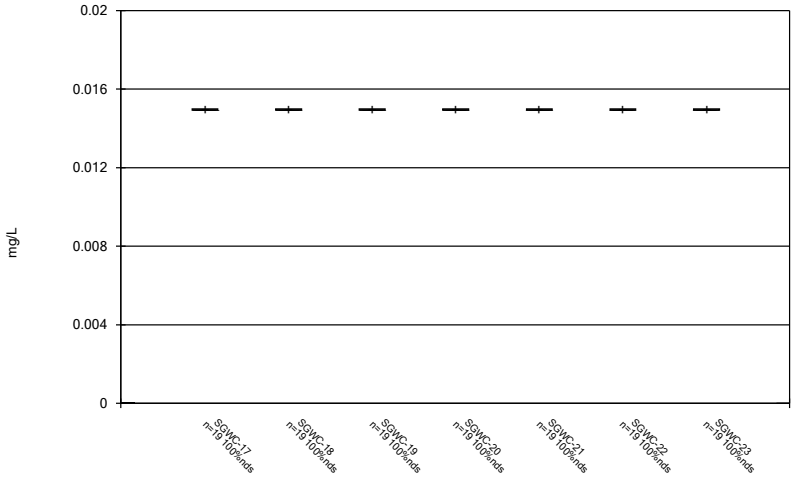
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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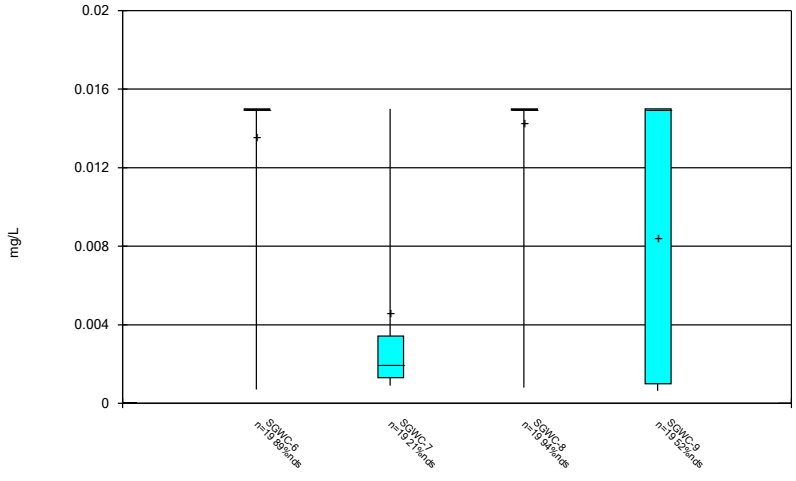
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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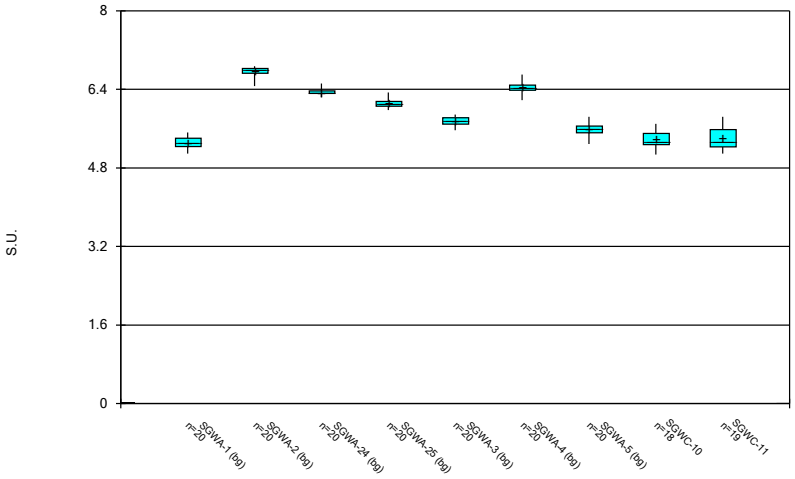
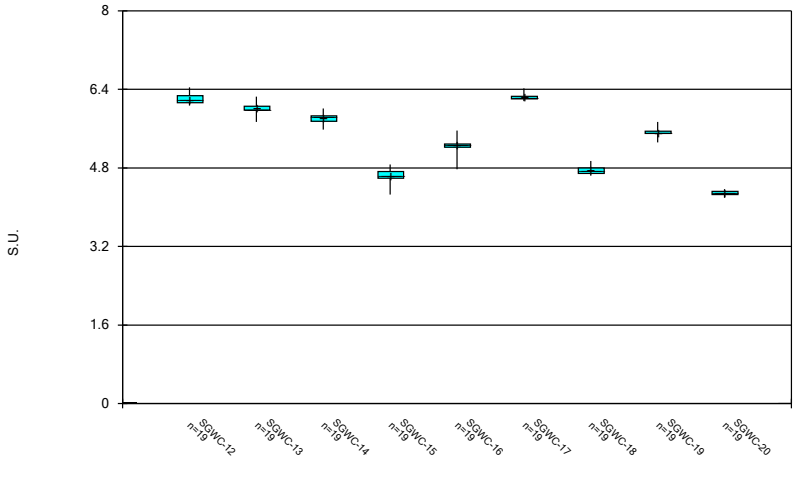
Box & Whiskers Plot



Constituent: pH Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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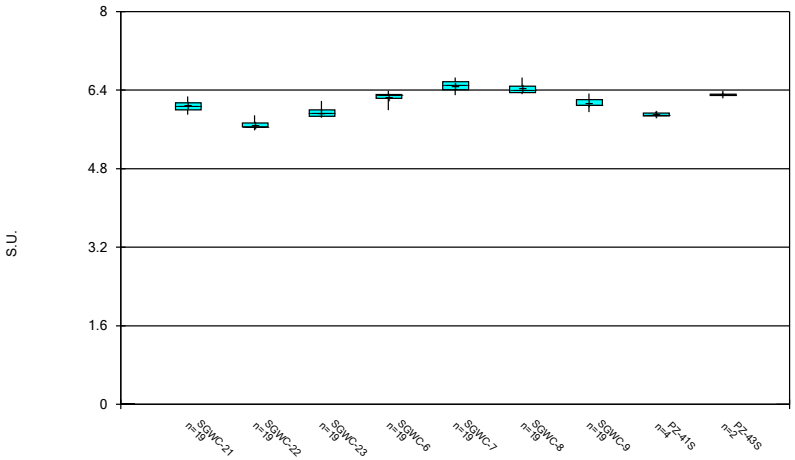
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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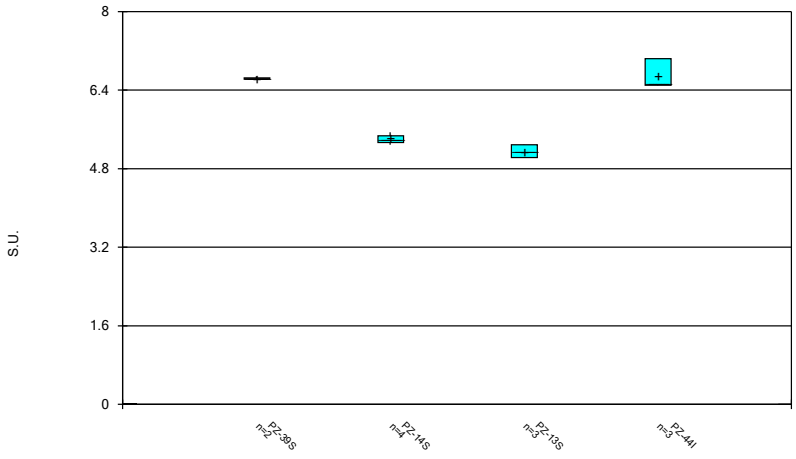
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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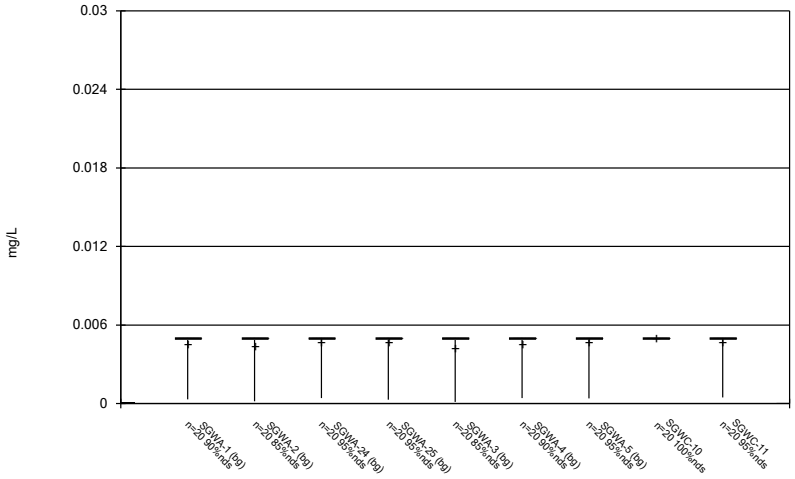
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



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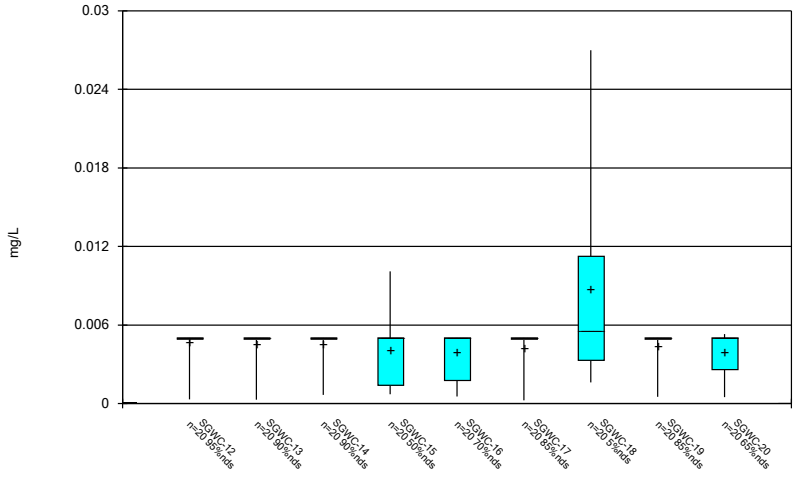
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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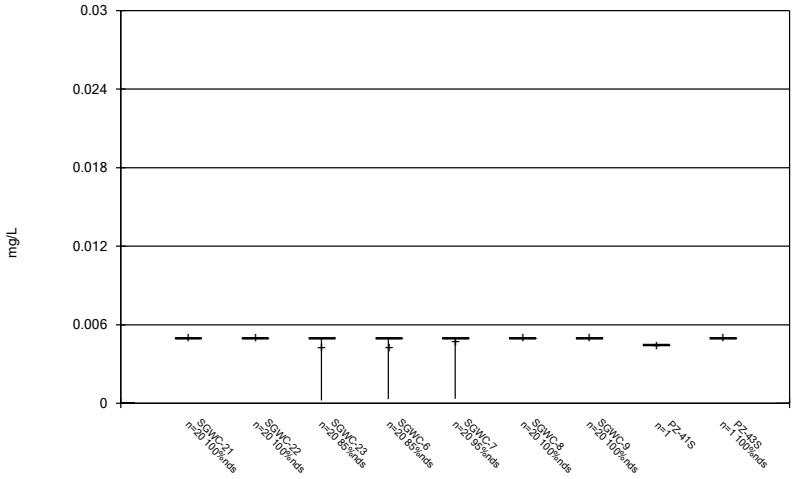
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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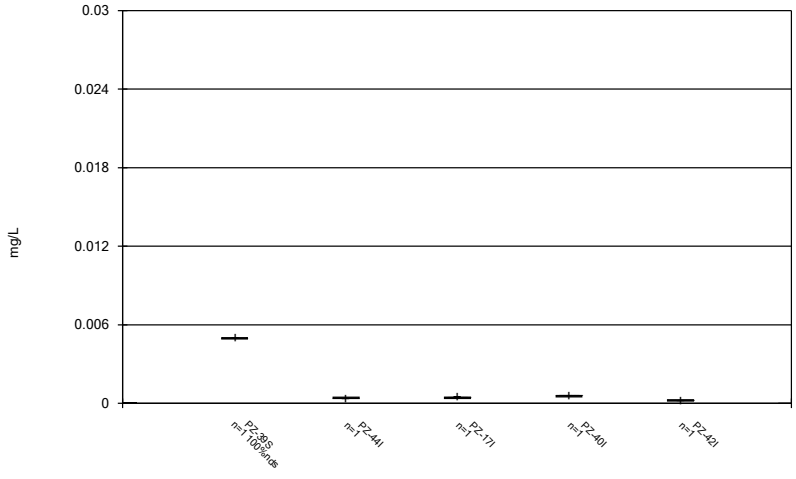
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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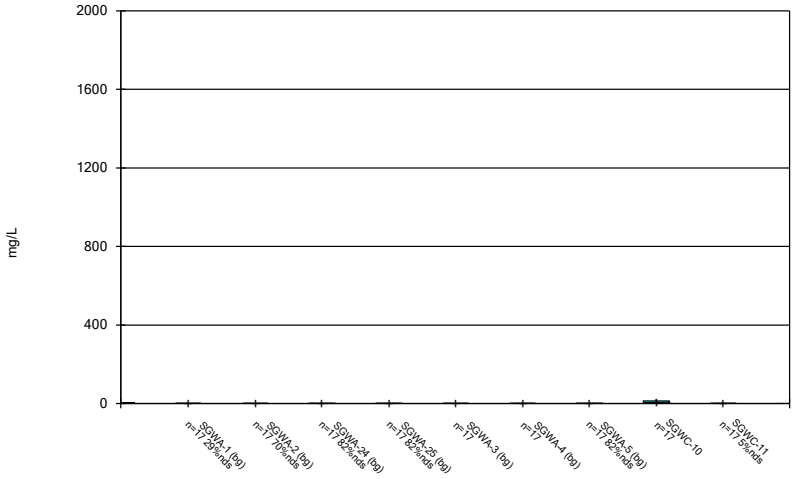
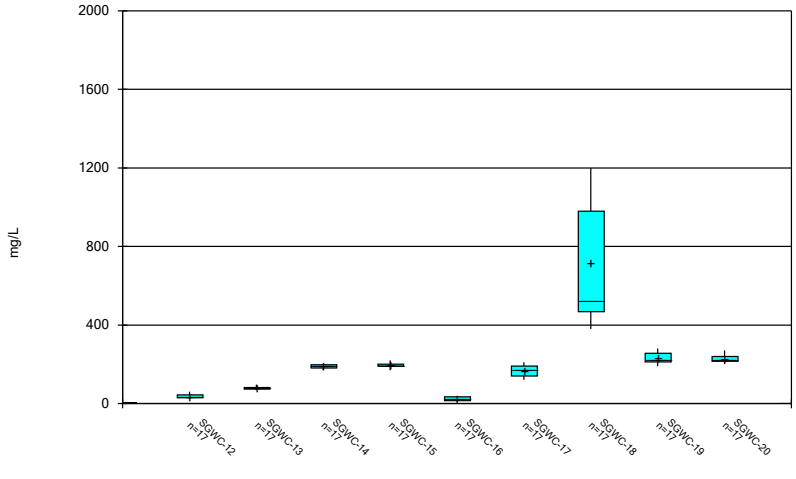
Box & Whiskers Plot



Constituent: Sulfate, total Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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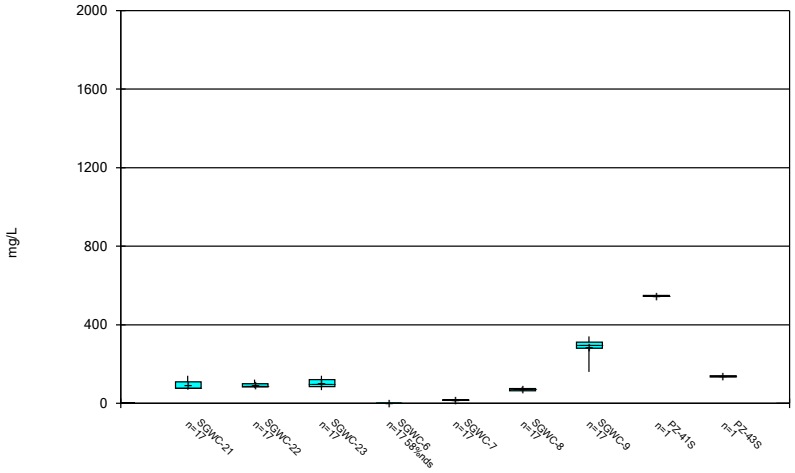
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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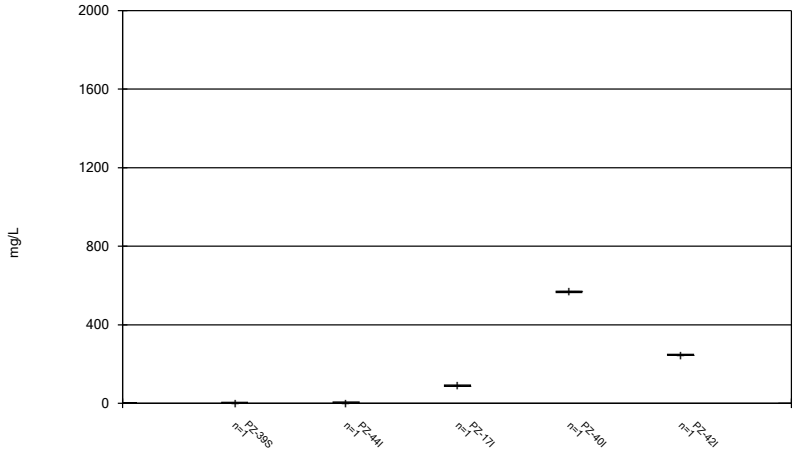
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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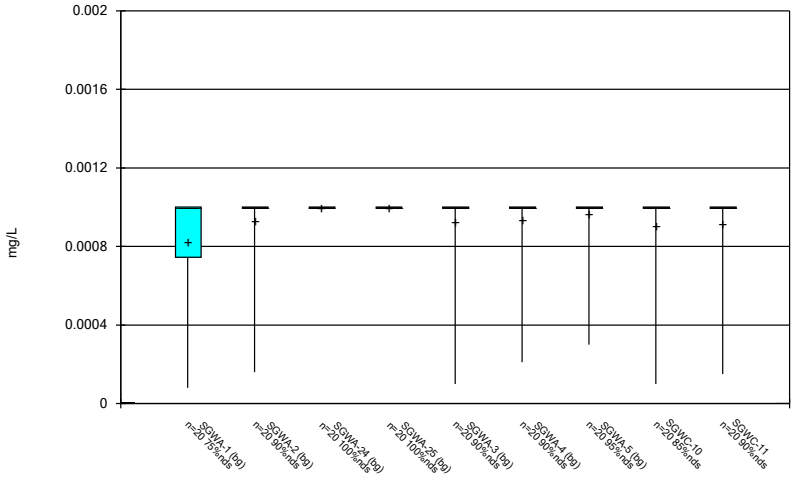

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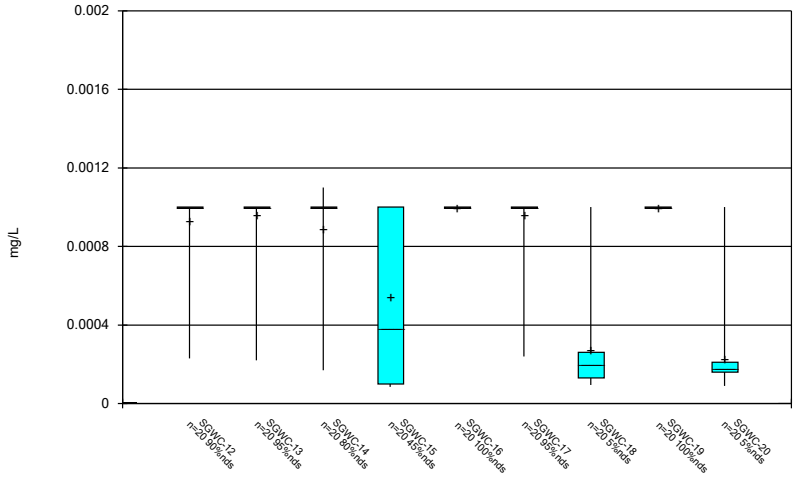
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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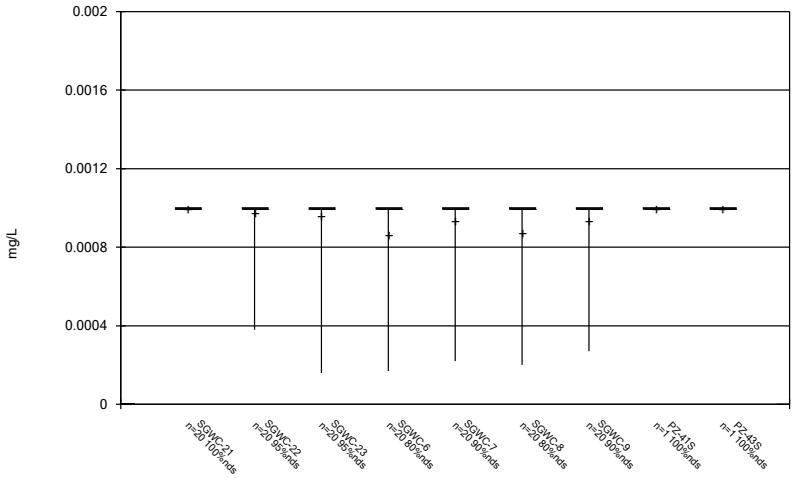
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/14/2021 9:08 AM View: Descriptive
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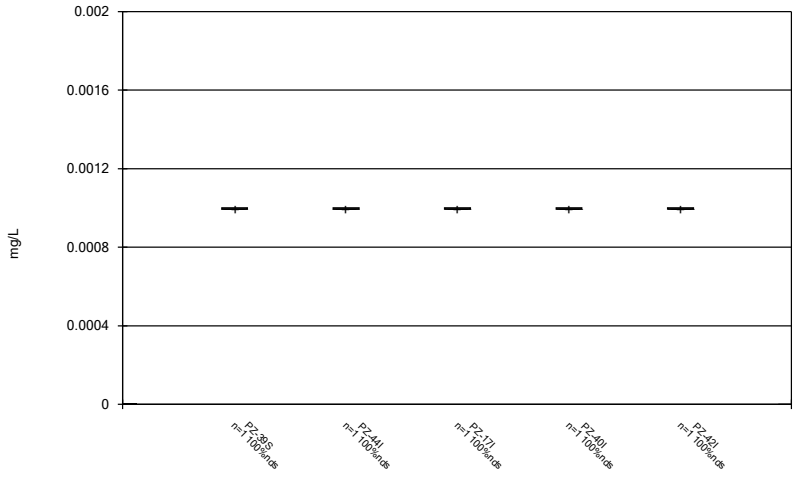
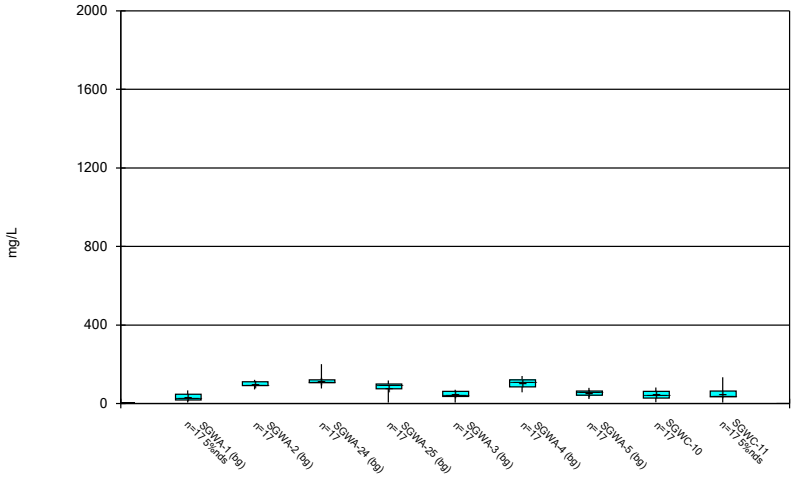
Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

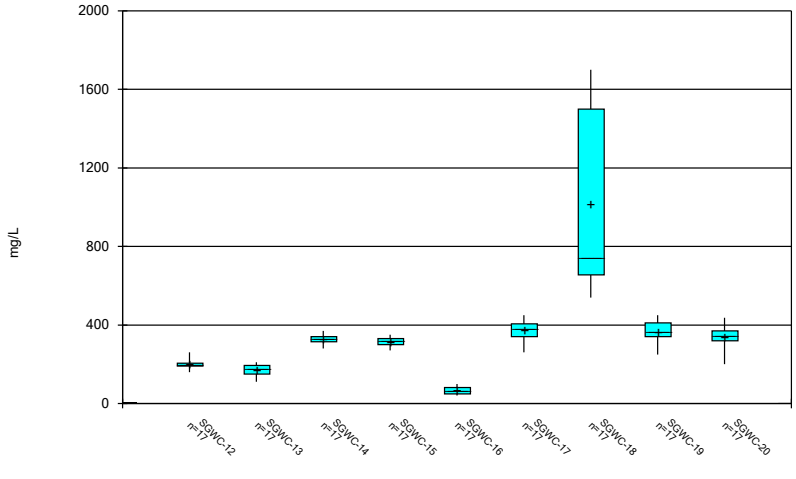
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

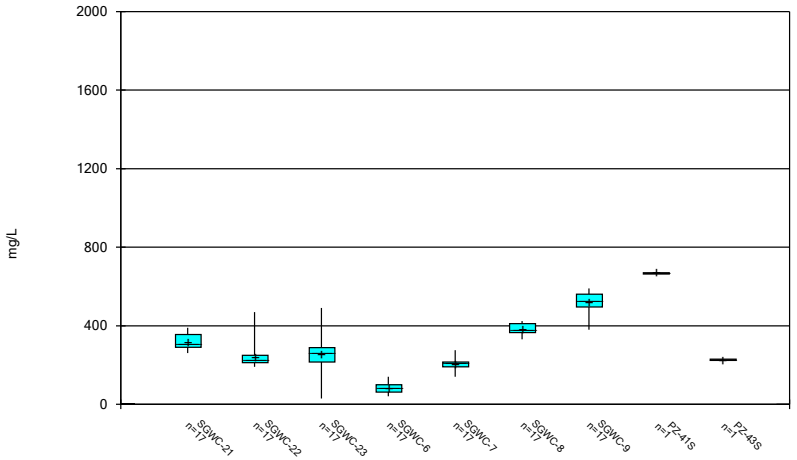
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

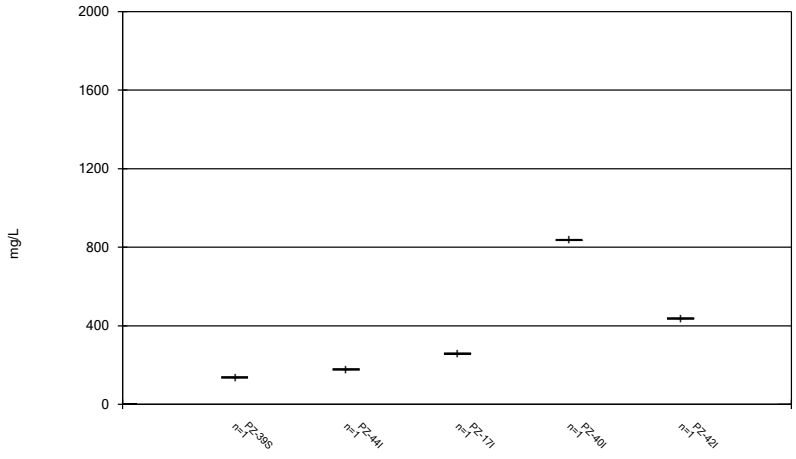
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 12/14/2021 9:08 AM View: Descriptive
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE C.

Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:18 PM

	SGWC-20 Lithium (mg/L)	SGWC-7 Lithium (mg/L)
5/11/2016		<0.05 (O)
5/12/2016	<0.05 (O)	

FIGURE D.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

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-11	0.13	n/a	8/19/2021	0.54	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	8/19/2021	0.59	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	8/19/2021	1.7	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	8/19/2021	1.6	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	8/19/2021	0.72	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	8/18/2021	0.32	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	8/18/2021	6.6	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	8/19/2021	2.1	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	8/19/2021	1.9	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	8/18/2021	1.1	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	8/18/2021	0.44	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	8/18/2021	0.42	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	8/18/2021	0.14	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	8/19/2021	1.5	Yes	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	8/20/2021	23	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-13	19	n/a	8/19/2021	20	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	8/19/2021	40	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	8/18/2021	55	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	8/18/2021	55	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	8/19/2021	45	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	8/18/2021	39	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	8/18/2021	30	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	8/18/2021	21	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	8/18/2021	22	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	8/18/2021	49	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	8/19/2021	34	Yes	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.047	n/a	8/19/2021	9.3	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.047	n/a	8/19/2021	9.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.047	n/a	8/20/2021	9.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.047	n/a	8/19/2021	12	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.047	n/a	8/19/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.047	n/a	8/19/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.047	n/a	8/19/2021	9.5	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.047	n/a	8/18/2021	8.9	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.047	n/a	8/18/2021	15	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.047	n/a	8/19/2021	9.4	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.047	n/a	8/19/2021	10	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.047	n/a	8/18/2021	13	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.047	n/a	8/18/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.047	n/a	8/18/2021	11	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.047	n/a	8/18/2021	5	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.047	n/a	8/18/2021	14	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.047	n/a	8/19/2021	18	Yes	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.16	n/a	8/19/2021	0.17	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.16	n/a	8/18/2021	0.19	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.16	n/a	8/18/2021	0.31	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.16	n/a	8/18/2021	0.48	Yes	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	6.87	5.09	8/19/2021	4.63	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	6.87	5.09	8/18/2021	4.83	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	6.87	5.09	8/19/2021	4.28	Yes	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	8/20/2021	60	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	8/19/2021	82	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	8/19/2021	190	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	8/19/2021	200	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	8/19/2021	38	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	8/18/2021	200	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	8/18/2021	940	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	8/19/2021	280	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	8/19/2021	230	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	8/18/2021	130	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	8/18/2021	110	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	8/18/2021	66	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	8/18/2021	12	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	8/18/2021	78	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	8/19/2021	160	Yes	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	8/20/2021	220	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	8/19/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	200	n/a	8/19/2021	370	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	200	n/a	8/19/2021	320	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	200	n/a	8/18/2021	450	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	200	n/a	8/18/2021	1400	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	200	n/a	8/19/2021	440	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	200	n/a	8/19/2021	340	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	200	n/a	8/18/2021	380	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	200	n/a	8/18/2021	260	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	200	n/a	8/18/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	8/18/2021	210	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	200	n/a	8/18/2021	410	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	200	n/a	8/19/2021	380	Yes	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

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	8/19/2021	0.091	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-11**	**0.13**	**n/a**	**8/19/2021**	**0.54**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-12	0.13	n/a	8/20/2021	0.043J	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-13**	**0.13**	**n/a**	**8/19/2021**	**0.59**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-14**	**0.13**	**n/a**	**8/19/2021**	**1.7**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-15**	**0.13**	**n/a**	**8/19/2021**	**1.6**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-16**	**0.13**	**n/a**	**8/19/2021**	**0.72**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-17**	**0.13**	**n/a**	**8/18/2021**	**0.32**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-18**	**0.13**	**n/a**	**8/18/2021**	**6.6**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-19**	**0.13**	**n/a**	**8/19/2021**	**2.1**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-20**	**0.13**	**n/a**	**8/19/2021**	**1.9**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-21**	**0.13**	**n/a**	**8/18/2021**	**1.1**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-22**	**0.13**	**n/a**	**8/18/2021**	**0.44**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-23**	**0.13**	**n/a**	**8/18/2021**	**0.42**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-6	0.13	n/a	8/18/2021	0.08ND	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	8/18/2021	0.047J	No	119	n/a	n/a	92.44	n/a	n/a	0.0001368	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-8**	**0.13**	**n/a**	**8/18/2021**	**0.14**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-9**	**0.13**	**n/a**	**8/19/2021**	**1.5**	**Yes**	**119**	**n/a**	**n/a**	**92.44**	**n/a**	**n/a**	**0.0001368**	**NP Inter (NDs) 1 of 2**
Calcium, total (mg/L)	SGWC-10	19	n/a	8/19/2021	0.67	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	8/19/2021	1.9	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-12**	**19**	**n/a**	**8/20/2021**	**23**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-13**	**19**	**n/a**	**8/19/2021**	**20**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-14**	**19**	**n/a**	**8/19/2021**	**40**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-15	19	n/a	8/19/2021	17	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	8/19/2021	1.1	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-17**	**19**	**n/a**	**8/18/2021**	**55**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-18**	**19**	**n/a**	**8/18/2021**	**55**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-19**	**19**	**n/a**	**8/19/2021**	**45**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-20	19	n/a	8/19/2021	12	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-21**	**19**	**n/a**	**8/18/2021**	**39**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-22**	**19**	**n/a**	**8/18/2021**	**30**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-23**	**19**	**n/a**	**8/18/2021**	**21**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-6	19	n/a	8/18/2021	11	No	119	n/a	n/a	0	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-7**	**19**	**n/a**	**8/18/2021**	**22**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-8**	**19**	**n/a**	**8/18/2021**	**49**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-9**	**19**	**n/a**	**8/19/2021**	**34**	**Yes**	**119**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**SGWC-10**	**3.047**	**n/a**	**8/19/2021**	**9.3**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-11**	**3.047**	**n/a**	**8/19/2021**	**9.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-12**	**3.047**	**n/a**	**8/20/2021**	**9.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-13**	**3.047**	**n/a**	**8/19/2021**	**12**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-14**	**3.047**	**n/a**	**8/19/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-15**	**3.047**	**n/a**	**8/19/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-16**	**3.047**	**n/a**	**8/19/2021**	**9.5**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-17**	**3.047**	**n/a**	**8/18/2021**	**8.9**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-18**	**3.047**	**n/a**	**8/18/2021**	**15**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-19**	**3.047**	**n/a**	**8/19/2021**	**9.4**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-20**	**3.047**	**n/a**	**8/19/2021**	**10**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-21**	**3.047**	**n/a**	**8/18/2021**	**13**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-22**	**3.047**	**n/a**	**8/18/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-23**	**3.047**	**n/a**	**8/18/2021**	**11**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	SGWC-6	3.047	n/a	8/18/2021	2.5	No	119	1.232	0.104	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	**SGWC-7**	**3.047**	**n/a**	**8/18/2021**	**5**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-8**	**3.047**	**n/a**	**8/18/2021**	**14**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-9**	**3.047**	**n/a**	**8/19/2021**	**18**	**Yes**	**119**	**1.232**	**0.104**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 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-10	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.16	n/a	8/20/2021	0.082J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.16	n/a	8/19/2021	0.12	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.16	n/a	8/19/2021	0.038J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.16	n/a	8/18/2021	0.087J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.16	n/a	8/18/2021	0.099J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-19	0.16	n/a	8/19/2021	0.1ND	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-20**	**0.16**	**n/a**	**8/19/2021**	**0.17**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-21	0.16	n/a	8/18/2021	0.12	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.16	n/a	8/18/2021	0.054J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.16	n/a	8/18/2021	0.11	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-6**	**0.16**	**n/a**	**8/18/2021**	**0.19**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-7**	**0.16**	**n/a**	**8/18/2021**	**0.31**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-8**	**0.16**	**n/a**	**8/18/2021**	**0.48**	**Yes**	**147**	**n/a**	**n/a**	**62.59**	**n/a**	**n/a**	**0.00009105**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-9	0.16	n/a	8/19/2021	0.078J	No	147	n/a	n/a	62.59	n/a	n/a	0.00009105	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	6.87	5.09	8/19/2021	5.21	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	6.87	5.09	8/19/2021	5.23	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	6.87	5.09	8/20/2021	6.13	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	6.87	5.09	8/19/2021	5.99	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	6.87	5.09	8/19/2021	5.86	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-15**	**6.87**	**5.09**	**8/19/2021**	**4.63**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-16	6.87	5.09	8/19/2021	5.28	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	6.87	5.09	8/18/2021	6.26	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-18**	**6.87**	**5.09**	**8/18/2021**	**4.83**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-19	6.87	5.09	8/19/2021	5.61	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-20**	**6.87**	**5.09**	**8/19/2021**	**4.28**	**Yes**	**140**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001981**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-21	6.87	5.09	8/18/2021	6.26	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	6.87	5.09	8/18/2021	5.76	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	6.87	5.09	8/18/2021	6.01	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	6.87	5.09	8/18/2021	6.33	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	6.87	5.09	8/18/2021	6.61	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	6.87	5.09	8/18/2021	6.48	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	6.87	5.09	8/19/2021	6.22	No	140	n/a	n/a	0	n/a	n/a	0.0001981	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	8/19/2021	2.2	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	8/19/2021	1ND	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-12**	**3.75**	**n/a**	**8/20/2021**	**60**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-13**	**3.75**	**n/a**	**8/19/2021**	**82**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-14**	**3.75**	**n/a**	**8/19/2021**	**190**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-15**	**3.75**	**n/a**	**8/19/2021**	**200**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-16**	**3.75**	**n/a**	**8/19/2021**	**38**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-17**	**3.75**	**n/a**	**8/18/2021**	**200**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-18**	**3.75**	**n/a**	**8/18/2021**	**940**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-19**	**3.75**	**n/a**	**8/19/2021**	**280**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-20**	**3.75**	**n/a**	**8/19/2021**	**230**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-21**	**3.75**	**n/a**	**8/18/2021**	**130**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-22**	**3.75**	**n/a**	**8/18/2021**	**110**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-23**	**3.75**	**n/a**	**8/18/2021**	**66**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	8/18/2021	1ND	No	119	n/a	n/a	49.58	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-7**	**3.75**	**n/a**	**8/18/2021**	**12**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-8**	**3.75**	**n/a**	**8/18/2021**	**78**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-9**	**3.75**	**n/a**	**8/19/2021**	**160**	**Yes**	**119**	**n/a**	**n/a**	**49.58**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:15 PM

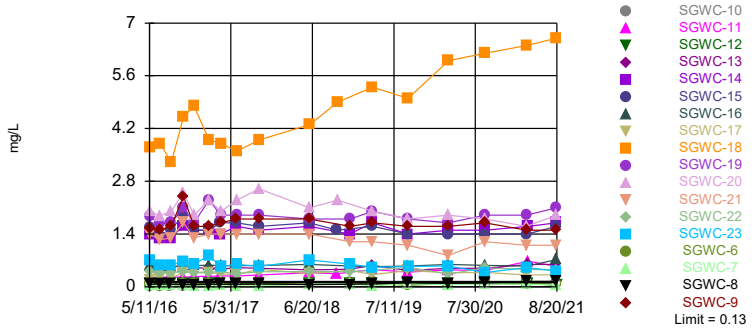
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	8/19/2021	54	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	8/19/2021	36	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-12**	**200**	**n/a**	**8/20/2021**	**220**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-13**	**200**	**n/a**	**8/19/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-14**	**200**	**n/a**	**8/19/2021**	**370**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**8/19/2021**	**320**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	8/19/2021	100	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**8/18/2021**	**450**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**8/18/2021**	**1400**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**8/19/2021**	**440**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**8/19/2021**	**340**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**8/18/2021**	**380**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**8/18/2021**	**260**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**8/18/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	8/18/2021	140	No	119	n/a	n/a	0.8403	n/a	n/a	0.0001368	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-7**	**200**	**n/a**	**8/18/2021**	**210**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**8/18/2021**	**410**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**8/19/2021**	**380**	**Yes**	**119**	**n/a**	**n/a**	**0.8403**	**n/a**	**n/a**	**0.0001368**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: SGWC-11, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21...

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 119 background values. 92.44% NDs. Annual per-constituent alpha = 0.004914. Individual comparison alpha = 0.0001368 (1 of 2). Comparing 18 points to limit.

Constituent: Boron, total Analysis Run 10/12/2021 1:14 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

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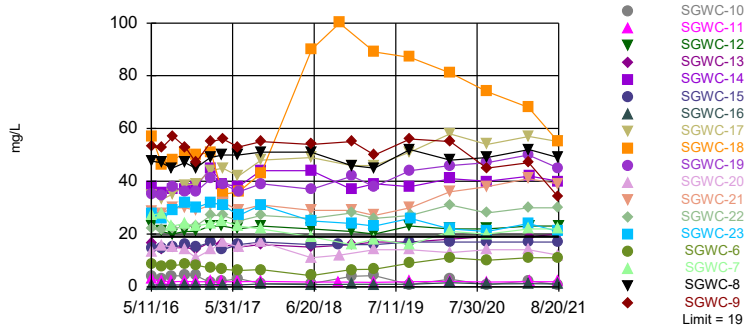
Exceeds Limit: SGWC-12, SGWC-13, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22, SGWC-23, SGWC-7...

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 119 background values. Annual per-constituent alpha = 0.004914. Individual comparison alpha = 0.0001368 (1 of 2). Comparing 18 points to limit.

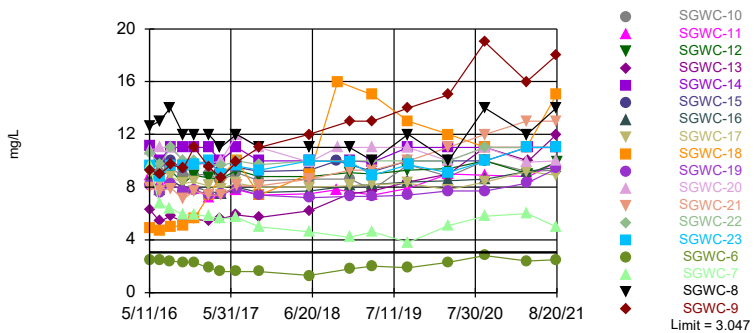
Constituent: Calcium, total Analysis Run 10/12/2021 1:14 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

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 cube root transformation): Mean=1.232, Std. Dev.=0.104, n=119. Normality test: Chi Squared @alpha = 0.01, calculated = 6.798, critical = 14.07. Kappa = 2.091 (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.

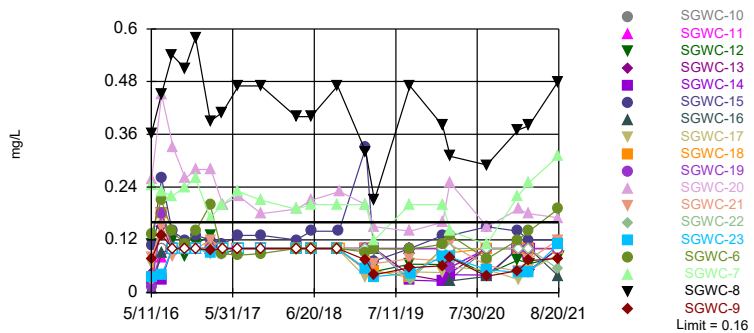
Constituent: Chloride, Total Analysis Run 10/12/2021 1:14 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: 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 147 background values. 62.59% NDs. Annual per-constituent alpha = 0.003273. Individual comparison alpha = 0.00009105 (1 of 2). Comparing 18 points to limit.

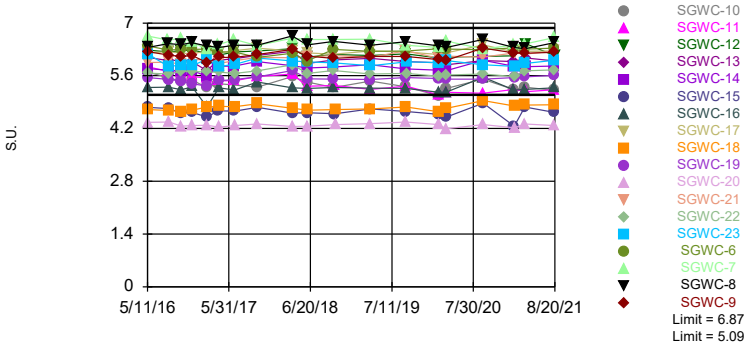
Constituent: Fluoride, total Analysis Run 10/12/2021 1:14 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

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 140 background values. Annual per-constituent alpha = 0.00712. Individual comparison alpha = 0.0001981 (1 of 2). Comparing 18 points to limit.

Constituent: pH Analysis Run 10/12/2021 1:14 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

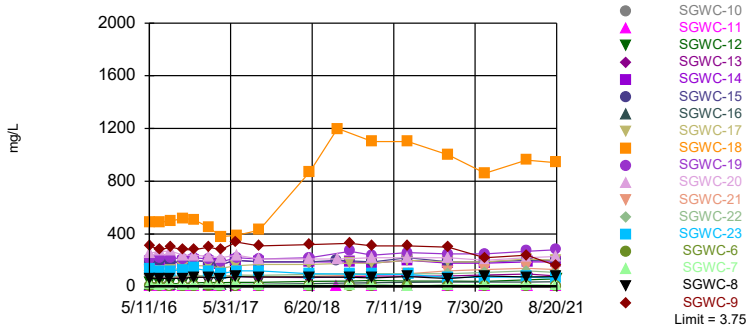
Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22...

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 119 background values. 49.58% NDs. Annual per-constituent alpha = 0.004914. Individual comparison alpha = 0.0001368 (1 of 2). Comparing 18 points to limit.

Constituent: Sulfate, total Analysis Run 10/12/2021 1:14 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

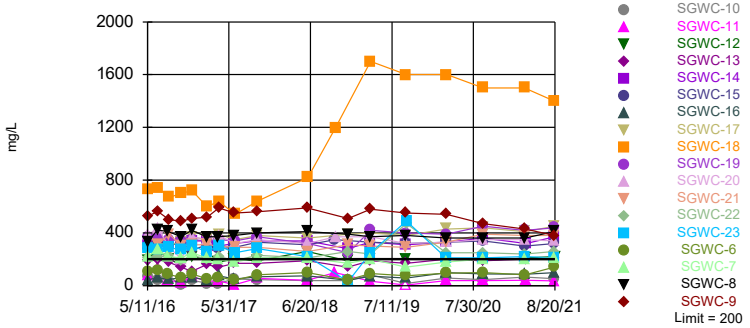
Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22...

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 119 background values. 0.8403% NDs. Annual per-constituent alpha = 0.004914. Individual comparison alpha = 0.0001368 (1 of 2). Comparing 18 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:14 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
5/11/2016							0.0359 (J)	<0.08	<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)					0.0354 (J)	0.0051 (J)	
6/28/2016									
6/29/2016									
6/30/2016									
8/16/2016	<0.08		<0.08	<0.08	<0.08	<0.08			
8/17/2016		<0.08					0.039 (J)	<0.08	<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								<0.08	<0.08
10/18/2016							0.039 (J)		
10/19/2016									
12/5/2016			<0.08						
12/6/2016	<0.08	<0.08		<0.08	<0.08	<0.08	0.03 (J)	<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	0.031 (J)	<0.08	<0.08
2/15/2017									
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							0.039 (J)	<0.08	
4/13/2017									
6/26/2017	<0.08		<0.08	<0.08	<0.08	<0.08			<0.08
6/27/2017		<0.08					0.028 (J)	<0.08	
6/28/2017									
10/10/2017	<0.08		<0.08			<0.08			
10/11/2017		<0.08		<0.08	<0.08		0.026 (J)	<0.08	<0.08
10/12/2017									
6/5/2018	<0.08	<0.08	<0.08		<0.08	<0.08			
6/6/2018				<0.08			<0.08	<0.08	<0.08
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			<0.08
12/14/2018							<0.08	<0.08	
12/17/2018									
3/28/2019		<0.08		<0.08	<0.08				<0.08
3/29/2019	<0.08		<0.08			<0.08			
4/1/2019							0.025 (J)		
4/2/2019								<0.08	
9/12/2019					<0.08				
9/13/2019			<0.08						

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
9/16/2019	0.13	<0.08		0.05		0.089		0.04 (J)	<0.08
9/17/2019							<0.08		
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								<0.08	
3/26/2020							0.055 (J)		
3/27/2020									
9/14/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/15/2020									
3/30/2021	0.041 (J)		0.072 (J)			0.045 (J)			
3/31/2021				<0.08	<0.08				<0.08
4/1/2021							0.069 (J)	<0.08	
4/6/2021									
4/7/2021		<0.08							
8/17/2021	<0.08	<0.08				<0.08			<0.08
8/18/2021			<0.08	<0.08	<0.08		0.047 (J)	<0.08	
8/19/2021									
8/20/2021									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
5/10/2016									
5/11/2016	1.54	0.0678 (J)	0.242	0.0275 (J)	<0.08				
5/12/2016						1.99	0.195	1.57	0.691
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		0.0767 (J)							
6/28/2016			0.245	0.035 (J)	0.0054 (J)			1.36	
6/29/2016	1.52					1.88	0.198 (J)		0.557
6/30/2016									
8/16/2016									
8/17/2016		0.067	0.26	0.028 (J)					
8/18/2016					<0.08		0.24	1.5	
8/19/2016									0.58
8/22/2016	1.6					2			
10/13/2016									
10/14/2016									
10/17/2016		0.059	0.25	0.032 (J)	<0.08				
10/18/2016	2.4					2.5		1.9	0.68
10/19/2016							0.37		
12/5/2016									
12/6/2016		0.054	0.27	<0.08	<0.08				
12/7/2016	1.6						0.4	1.5	0.6
12/8/2016						1.9			
2/14/2017		0.063							
2/15/2017			0.28	0.035 (J)	<0.08		0.38	1.5	0.82
2/16/2017	1.6					2.3			
4/10/2017									
4/11/2017									
4/12/2017		0.068	0.29	0.052	<0.08			1.7	
4/13/2017	1.7					2	0.34		0.54
6/26/2017									
6/27/2017	1.8	0.067	0.29	<0.08	<0.08		0.33	1.7	
6/28/2017						2.3			0.59
10/10/2017									
10/11/2017			0.31		<0.08				
10/12/2017	1.8	0.075		0.049 (J)		2.6	0.47	1.6	0.54
6/5/2018									
6/6/2018	1.8	0.059	0.37	0.07	<0.08				
6/7/2018						2.1	0.35	1.7	0.71
6/8/2018									
10/16/2018			0.35					1.5	
10/18/2018						2.3			
12/13/2018									
12/14/2018		0.064			<0.08		0.44		
12/17/2018	1.6			0.098					0.6
3/28/2019									
3/29/2019									
4/1/2019	1.7	0.076	0.46	0.16	<0.08			1.6	
4/2/2019						2	0.32		0.52
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
9/16/2019	1.6		0.39		<0.08				
9/17/2019		0.11		0.077		1.8	0.43	1.4	
9/18/2019									0.54
3/17/2020									
3/18/2020									
3/23/2020						1.9			
3/24/2020							0.37		0.55
3/25/2020	1.6	0.089	0.45	0.12					
3/26/2020					<0.08				
3/27/2020								1.4	
9/14/2020	1.7	0.1	0.43	0.082	<0.08				
9/15/2020						1.8	0.38	1.4	0.38
3/30/2021						1.6			
3/31/2021	1.5			0.15				1.4	0.51
4/1/2021		0.14					0.31		
4/6/2021									
4/7/2021			0.68		<0.08				
8/17/2021									
8/18/2021		0.14					0.32		0.42
8/19/2021	1.5		0.54	0.091		1.9		1.6	
8/20/2021					0.043 (J)				

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.562	0.411	1.38	1.4	0.599		
5/13/2016						1.87	3.71
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.546		1.29		0.52		
6/29/2016		0.373 (J)		1.25		1.67	
6/30/2016							3.8
8/16/2016							
8/17/2016							
8/18/2016	0.54		1.3		0.51		
8/19/2016		0.37					
8/22/2016				1.3		1.7	3.3
10/13/2016							
10/14/2016							
10/17/2016			1.6		0.58		
10/18/2016	0.55	0.41		1.7		2.1	
10/19/2016							4.5
12/5/2016							
12/6/2016					0.5		
12/7/2016	0.56	0.36	1.5	1.3			4.8
12/8/2016						1.7	
2/14/2017							
2/15/2017			1.5		0.5		
2/16/2017	0.58	0.38 (J)		1.4		2.3	3.9
4/10/2017							
4/11/2017							
4/12/2017			1.4		0.47		
4/13/2017	0.56	0.4		1.4		1.9	3.8
6/26/2017							
6/27/2017	0.56		1.6		0.51		
6/28/2017		0.35		1.4		1.9	3.6
10/10/2017							
10/11/2017			1.5		0.49		
10/12/2017	0.57	0.4		1.4		1.9	3.9
6/5/2018							
6/6/2018							
6/7/2018	0.59	0.41	1.6	1.4	0.45		
6/8/2018						1.8	4.3
10/16/2018							
10/18/2018							4.9
12/13/2018							
12/14/2018			1.4		0.47		
12/17/2018	0.55	0.4		1.2		1.8	
3/28/2019							
3/29/2019							
4/1/2019			1.7		0.57		
4/2/2019	0.53	0.44		1.2		2	5.3
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	0.55		1.4	1.1	0.43	1.8	5
9/18/2019		0.52					
3/17/2020							
3/18/2020							
3/23/2020				0.83		1.7	
3/24/2020		0.34					
3/25/2020							
3/26/2020							6
3/27/2020	0.59		1.5		0.49		
9/14/2020					0.49		
9/15/2020	0.57	0.5	1.5	1.2		1.9	6.2
3/30/2021				1.1		1.9	6.4
3/31/2021		0.47					
4/1/2021	0.55						
4/6/2021			1.6				
4/7/2021					0.59		
8/17/2021							
8/18/2021		0.44		1.1			6.6
8/19/2021	0.72		1.7		0.59	2.1	
8/20/2021							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
5/10/2016	3	11.4	12.3	6.22	2.64	10.1			
5/11/2016							27.2	8.7	14.4
5/12/2016									
5/13/2016									
6/23/2016	2.42		11.3		1.65	8.45			
6/24/2016				5.55					14.2
6/27/2016		9.16					27.9	7.48	
6/28/2016									
6/29/2016									
6/30/2016									
8/16/2016	2.1		11	5	1.3	9.4			
8/17/2016		9.6					23	8	15
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2.7		12						
10/14/2016		11		5.4	1.4	10			
10/17/2016								8.6	16
10/18/2016							24		
10/19/2016									
12/5/2016			12						
12/6/2016	2.1	11		4.8	1.4	10	23	8.2	15
12/7/2016									
12/8/2016									
2/14/2017	1.8	12	13	4.6	1.4	11	24	7.2	17
2/15/2017									
2/16/2017									
4/10/2017			12						
4/11/2017	1.8	11		5	1.4	10			17
4/12/2017							25	6.7	
4/13/2017									
6/26/2017	1.7		13	4.9	1.5	10			18
6/27/2017		9.5					23	6.2	
6/28/2017									
10/10/2017	2.3		14			11			
10/11/2017		11		5.5	1.6		22	6.5	19
10/12/2017									
6/5/2018	2.6	9.7	13		1.5	11			
6/6/2018				4.1			19	4.2	18
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	1.7	9.4	12	4.3	1.4	10			18
12/14/2018							16	6.5	
12/17/2018									
3/28/2019		8.7		4.8	1.4				17
3/29/2019	2		12			11			
4/1/2019							18		
4/2/2019								6.7	
9/12/2019					1.6				
9/13/2019			14						

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
9/16/2019	1.7	9.5		5.9		12		8.9	18
9/17/2019							16		
9/18/2019									
3/17/2020		8.8		5.3	1.7	11			
3/18/2020	1.8		14						18
3/23/2020									
3/24/2020									
3/25/2020								11	
3/26/2020							21		
3/27/2020									
9/14/2020	1.6	9.1	14	5.7	1.6	11	20	10	17
9/15/2020									
3/30/2021	2.2		15			12			
3/31/2021				5.5	1.6				17
4/1/2021							22	11	
4/6/2021									
4/7/2021		9.5							
8/17/2021	1.8	9.6				12			18
8/18/2021			14	5.9	1.7		22	11	
8/19/2021									
8/20/2021									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
5/10/2016									
5/11/2016	53.1	47.6	2.91	4.14	23.1				
5/12/2016						13.2	34.8	14.5	27.6
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		47							
6/28/2016			2.19	3.13	21			14.7	
6/29/2016	52.6					15.8	33.1		25.6
6/30/2016									
8/16/2016									
8/17/2016		45	1.9	4.1					
8/18/2016					20		35	15	
8/19/2016									29
8/22/2016	57					15			
10/13/2016									
10/14/2016									
10/17/2016		47	2	4.2	21				
10/18/2016	53					14		16	32
10/19/2016							38.5 (D)		
12/5/2016									
12/6/2016		45	1.9	4.3	21				
12/7/2016	47						39	15	30
12/8/2016						11			
2/14/2017		49							
2/15/2017			1.9	1.5	23		44	17	32
2/16/2017	55					14			
4/10/2017									
4/11/2017									
4/12/2017		50	1.9	2.2	23			14	
4/13/2017	56					17	45		31
6/26/2017									
6/27/2017	53	50	1.9	3.1	22		42	16	
6/28/2017						15			27
10/10/2017									
10/11/2017			2		23				
10/12/2017	55	51		1.2		17	48	17	31
6/5/2018									
6/6/2018	54	51	1.8	1.2	22				
6/7/2018						11	49	16	25
6/8/2018									
10/16/2018			1.8					16	
10/18/2018						12			
12/13/2018									
12/14/2018		46			21		46		
12/17/2018	55			4					24
3/28/2019									
3/29/2019									
4/1/2019	50	45	1.7	4.2	20			16	
4/2/2019						14	46		23
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
9/16/2019	56		1.9		23				
9/17/2019		52		0.79		14	51	17	
9/18/2019									26
3/17/2020									
3/18/2020									
3/23/2020						13			
3/24/2020							58		22
3/25/2020	55	48	2	2.9					
3/26/2020					22				
3/27/2020								17	
9/14/2020	45	49	1.8	0.75	22				
9/15/2020						14	54	17	21
3/30/2021						14			
3/31/2021	47			2.3				17	24
4/1/2021		52					57		
4/6/2021									
4/7/2021			1.9		23				
8/17/2021									
8/18/2021		49					55		21
8/19/2021	34		1.9	0.67		12		17	
8/20/2021					23				

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.75	21.9	37.7	28.7	16.6		
5/13/2016						35.3	56.9
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.768		35.8		14.4		
6/29/2016		21.8		27.9		34.6	
6/30/2016							46.4
8/16/2016							
8/17/2016							
8/18/2016	0.7		37		15		
8/19/2016		22					
8/22/2016				30		38	48
10/13/2016							
10/14/2016							
10/17/2016			37		15		
10/18/2016	0.75	23		30		36	
10/19/2016							51
12/5/2016							
12/6/2016					14		
12/7/2016	0.73	23	38	29			50
12/8/2016						36	
2/14/2017							
2/15/2017			45		17		
2/16/2017	0.81	27		31		41	51
4/10/2017							
4/11/2017							
4/12/2017			39		16		
4/13/2017	0.88	27		32		39	35
6/26/2017							
6/27/2017	0.76		38		15		
6/28/2017		25		29		36	36
10/10/2017							
10/11/2017			44		16		
10/12/2017	1.1	27		31		39	43
6/5/2018							
6/6/2018							
6/7/2018	0.84	26	44	29	15		
6/8/2018						37	90
10/16/2018							
10/18/2018							100
12/13/2018							
12/14/2018			37		16		
12/17/2018	0.94	28		29		42	
3/28/2019							
3/29/2019							
4/1/2019			39		17		
4/2/2019	0.92	26		27		38	89
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	1		38	30	17	44	87
9/18/2019		27					
3/17/2020							
3/18/2020							
3/23/2020				36		46	
3/24/2020		31					
3/25/2020							
3/26/2020							81
3/27/2020	1.5		41		18		
9/14/2020					19		
9/15/2020	1.1	28	40	38		47	74
3/30/2021				41		50	68
3/31/2021		30					
4/1/2021	1.2						
4/6/2021			42				
4/7/2021					19		
8/17/2021							
8/18/2021		30		39			55
8/19/2021	1.1		40		20	45	
8/20/2021							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
5/10/2016	1.9	2.77	1.94	3.45	1.98	1.51			
5/11/2016							9.65	2.44	1.93
5/12/2016									
5/13/2016									
6/23/2016	2.2		2.2		2.1	1.8			
6/24/2016				3.5					1.8
6/27/2016		2.9					6.7	2.5	
6/28/2016									
6/29/2016									
6/30/2016									
8/16/2016	2.1		2	3.4	1.8	1.5			
8/17/2016		2.4					6.4	2.4	1.4
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2		1.9						
10/14/2016		2.1		3.1	1.8	1.4			
10/17/2016								2.3	1.2
10/18/2016							5.9		
10/19/2016									
12/5/2016			1.9						
12/6/2016	2.2	1.7		3	1.8	1.5	5.9	2.3	1.3
12/7/2016									
12/8/2016									
2/14/2017	2	1.5	1.9	2.4	1.8	1.5	5.8	1.9	1.3
2/15/2017									
2/16/2017									
4/10/2017			1.8						
4/11/2017	1.8	1.7		2.5	1.7	1.3			1.2
4/12/2017							5.6	1.6	
4/13/2017									
6/26/2017	1.9		1.9	2.6	1.7	1.4			1.2
6/27/2017		2.2					5.7	1.6	
6/28/2017									
10/10/2017	1.8		1.8			1.3			
10/11/2017		1.7		2.4	1.6		5	1.6	1.1
10/12/2017									
6/5/2018	1.7	2	1.9		1.6	1.3			
6/6/2018				2			4.6	1.3	1.1
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	1.7	1.9	2	2	1.7	1.3			1.2
12/14/2018							4.2	1.8	
12/17/2018									
3/28/2019		2.2		2	1.7				1.2
3/29/2019	1.5		1.8			1.2			
4/1/2019							4.6		
4/2/2019								2	
9/12/2019					1.5				
9/13/2019			1.7						

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
9/16/2019	1.8	1.9		2.2		1.3		1.9	1.2
9/17/2019							3.8		
9/18/2019									
3/17/2020		2.4		2.1	1.9	1.6			
3/18/2020	2		2.4						1.5
3/23/2020									
3/24/2020									
3/25/2020								2.3	
3/26/2020							5.1		
3/27/2020									
9/14/2020	2.1	2.7	2.5	2.5	1.9	1.5	5.8	2.8	1.5
9/15/2020									
3/30/2021	2.3		2.5			1.6			
3/31/2021				2.3	2.1				1.6
4/1/2021							6	2.4	
4/6/2021									
4/7/2021		2.3							
8/17/2021	1.9	2.6				1.6			1.6
8/18/2021			2.7	2.4	2.2		5	2.5	
8/19/2021									
8/20/2021									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
5/10/2016									
5/11/2016	9.29	12.6	8.87	9.53	9.04				
5/12/2016						10.8	9.11	9.47	9.63
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		13							
6/28/2016			8.3	9.1	8.8			9.8	
6/29/2016	9					11	8.3		8.8
6/30/2016									
8/16/2016									
8/17/2016		14	8.6	9.4					
8/18/2016					9.3		8.8	10	
8/19/2016									9.6
8/22/2016	9.7					11			
10/13/2016									
10/14/2016									
10/17/2016		12	7.9	8.9	8.3				
10/18/2016	9.4					10		9.4	9.6
10/19/2016							8.3		
12/5/2016									
12/6/2016		12	7.9	8.9	8.9				
12/7/2016	11						8.4	9.8	9.7
12/8/2016						9.7			
2/14/2017		12							
2/15/2017			7.2	9	8.7		8.1	9.8	10
2/16/2017	9.5					9.8			
4/10/2017									
4/11/2017									
4/12/2017		11	7.5	8.5	8.6			9.2	
4/13/2017	8.7					10	7.9		9
6/26/2017									
6/27/2017	9.9	12	7.8	9.1	9.3		8.3	9.5	
6/28/2017						12			9.6
10/10/2017									
10/11/2017			7.4		8.8				
10/12/2017	11	11		8.5		11	8	9.2	9.3
6/5/2018									
6/6/2018	12	11	7.5	8.6	8.8				
6/7/2018						9.9	8	9.3	10
6/8/2018									
10/16/2018			7.8					10	
10/18/2018						11			
12/13/2018									
12/14/2018		11			9.1		8.1		
12/17/2018	13			8.6					9.9
3/28/2019									
3/29/2019									
4/1/2019	13	10	7.4	7.8	9			9.2	
4/2/2019						11	8.2		8.9
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
9/16/2019	14		7.9		9.3				
9/17/2019		12		9.7		11	8.3	10	
9/18/2019									9.7
3/17/2020									
3/18/2020									
3/23/2020						10			
3/24/2020							7.8		9.1
3/25/2020	15	10	9	8.8					
3/26/2020					9.4				
3/27/2020								10	
9/14/2020	19	14	8.9	10	10				
9/15/2020						11	8.4	10	10
3/30/2021						9.9			
3/31/2021	16			9.2				11	11
4/1/2021		12					9.2		
4/6/2021									
4/7/2021			8.8		9				
8/17/2021									
8/18/2021		14					8.9		11
8/19/2021	18		9.9	9.3		10		11	
8/20/2021					9.9				

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	8.56	10.6	11.1	7.93	6.29		
5/13/2016						8.16	4.87
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	7.8		10		5.4		
6/29/2016		9.7		7.7		7.6	
6/30/2016							4.7
8/16/2016							
8/17/2016							
8/18/2016	8.5		11		5.8		
8/19/2016		11					
8/22/2016				7.9		8.2	5
10/13/2016							
10/14/2016							
10/17/2016			11		5.4		
10/18/2016	8	10		7.1		7.7	
10/19/2016							5.1
12/5/2016							
12/6/2016					5.6		
12/7/2016	8	10	11	7.7			5.6
12/8/2016						7.8	
2/14/2017							
2/15/2017			11		5.4		
2/16/2017	7.7	9.8		7.4		7.4	7.4
4/10/2017							
4/11/2017							
4/12/2017			10		5.6		
4/13/2017	7.5	9.6		7.4		7.5	8.9
6/26/2017							
6/27/2017	8		11		5.9		
6/28/2017		10		8.1		7.9	10
10/10/2017							
10/11/2017			10		5.7		
10/12/2017	7.6	9.7		8.1		7.4	7.4
6/5/2018							
6/6/2018							
6/7/2018	7.7	10	10	8.6	6.2		
6/8/2018						7.2	9
10/16/2018							
10/18/2018							16
12/13/2018							
12/14/2018			10		7.5		
12/17/2018	8.1	10		9.3		7.3	
3/28/2019							
3/29/2019							
4/1/2019			9.9		7.7		
4/2/2019	8.2	10		9.3		7.3	15
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	8.4		11	10	8.4	7.4	13
9/18/2019		10					
3/17/2020							
3/18/2020							
3/23/2020				11		7.7	
3/24/2020		10					
3/25/2020							
3/26/2020							12
3/27/2020	8.5		11		9		
9/14/2020					11		
9/15/2020	8.6	11	11	12		7.7	11
3/30/2021				13		8.3	11
3/31/2021		11					
4/1/2021	9.2						
4/6/2021			11				
4/7/2021					10		
8/17/2021							
8/18/2021		11		13			15
8/19/2021	9.5		11		12	9.4	
8/20/2021							

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 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-5 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	<0.1	0.0648 (J)	0.041 (J)	0.0192 (J)	0.0188 (J)	0.0537 (J)			
5/11/2016							0.033 (J)	0.019 (J)	0.076 (J)
5/12/2016									
5/13/2016									
6/23/2016	<0.1	0.05 (J)			<0.1	0.03 (J)			
6/24/2016				0.02 (J)					
6/27/2016			0.03 (J)						
6/28/2016							0.08 (J)	<0.1	
6/29/2016									0.13 (J)
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	
8/18/2016									
8/19/2016									
8/22/2016									<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	<0.1	
10/18/2016									<0.1
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	
12/7/2016									<0.1
12/8/2016									
2/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/15/2017							<0.1	<0.1	
2/16/2017									0.097 (J)
4/10/2017		<0.1							
4/11/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
4/12/2017							<0.1	<0.1	
4/13/2017									<0.1
6/26/2017	<0.1	<0.1		<0.1	<0.1	<0.1			
6/27/2017			<0.1				<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		
10/12/2017								<0.1	<0.1
3/26/2018	<0.1	<0.1		<0.1		<0.1			
3/27/2018			<0.1		<0.1		<0.1	<0.1	
3/28/2018									<0.1
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				
10/9/2018								<0.1	<0.1
10/16/2018							<0.1		
10/18/2018									
2/18/2019	<0.1					0.05 (J)			
2/19/2019		0.06 (J)	0.044 (J)	<0.1	<0.1				
2/20/2019							<0.1	<0.1	0.074 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 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-5 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
3/28/2019			0.037 (J)	0.026 (J)	<0.1				
3/29/2019	<0.1	0.056 (J)				0.053 (J)			
4/1/2019							<0.1	<0.1	0.041 (J)
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		0.057 (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		
2/19/2020								<0.1	0.061 (J)
2/20/2020									
3/17/2020			0.041 (J)	0.029 (J)	0.03 (J)	0.038 (J)			
3/18/2020	<0.1	0.078 (J)							
3/23/2020									
3/24/2020									
3/25/2020							0.058 (J)	0.031 (J)	0.079 (J)
3/26/2020									
3/27/2020									
9/14/2020	<0.1	0.038 (J)	0.028 (J)	<0.1	<0.1	0.033 (J)	<0.1	<0.1	0.037 (J)
9/15/2020									
2/9/2021	<0.1	0.059 (J)	0.037 (J)	<0.1	<0.1	0.055 (J)	<0.1	<0.1	0.05 (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)	0.073 (J)
4/1/2021									
4/6/2021									
4/7/2021			0.054 (J)				<0.1		
8/17/2021	0.052 (J)		0.079 (J)			0.096 (J)			
8/18/2021		0.16		0.066 (J)	0.07 (J)				
8/19/2021							<0.1	<0.1	0.078 (J)
8/20/2021									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-4 (bg)	SGWC-6	SGWC-7	SGWC-8	SGWC-12	SGWC-20	SGWC-21	SGWC-13	SGWC-23
5/10/2016									
5/11/2016	0.108 (J)	0.133 (J)	0.245 (J)	0.362	0.11 (J)				
5/12/2016						0.259 (J)	0.079 (J)	0.042 (J)	0.0341 (J)
5/13/2016									
6/23/2016									
6/24/2016	0.08 (J)								
6/27/2016		0.21 (J)	0.23 (J)	0.45					
6/28/2016					0.18 (J)			0.15 (J)	
6/29/2016						0.45	0.15 (J)		0.04 (J)
6/30/2016									
8/16/2016									
8/17/2016	<0.1	0.14 (J)	0.22	0.54					
8/18/2016					0.12 (J)			<0.1	
8/19/2016									<0.1
8/22/2016						0.33	0.083 (J)		
10/13/2016									
10/14/2016									
10/17/2016	<0.1	0.11 (J)		0.51	0.082 (J)			<0.1	
10/18/2016			0.24			0.26	<0.1		<0.1
10/19/2016									
12/5/2016									
12/6/2016	0.091 (J)	0.14 (J)	0.26	0.58	0.11 (J)			<0.1	
12/7/2016							<0.1		<0.1
12/8/2016						0.28			
2/14/2017	0.1 (J)	0.2	0.17 (J)	0.39					
2/15/2017					0.13 (J)			<0.1	0.092 (J)
2/16/2017						0.28	0.12 (J)		
4/10/2017									
4/11/2017	<0.1								
4/12/2017		0.089 (J)	0.2	0.41	0.088 (J)			<0.1	
4/13/2017						0.2	<0.1		<0.1
6/26/2017	<0.1								
6/27/2017		0.085 (J)	0.23	0.47	0.1 (J)			<0.1	
6/28/2017						0.22	0.1 (J)		<0.1
10/10/2017									
10/11/2017	<0.1	0.089 (J)	0.21		<0.1			<0.1	
10/12/2017				0.47		0.18 (J)	<0.1		<0.1
3/26/2018									
3/27/2018	<0.1	<0.1	0.19 (J)	0.4	<0.1			<0.1	<0.1
3/28/2018						0.19 (J)	<0.1		
6/5/2018									
6/6/2018	<0.1	<0.1	0.2	0.4	<0.1				
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	<0.1
10/9/2018			0.2	0.47					
10/16/2018									
10/18/2018						0.23			
2/18/2019	0.066 (J)								
2/19/2019									0.055 (J)
2/20/2019		0.092 (J)	0.2	0.32	0.052 (J)	0.2	0.051 (J)	<0.1	

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-4 (bg)	SGWC-6	SGWC-7	SGWC-8	SGWC-12	SGWC-20	SGWC-21	SGWC-13	SGWC-23
3/28/2019	0.052 (J)								
3/29/2019									
4/1/2019			0.12 (J)	0.21	0.048 (J)			<0.1	
4/2/2019		0.1 (J)				0.15 (J)	0.066 (J)		0.036 (J)
9/12/2019									
9/13/2019									
9/16/2019	0.055 (J)	0.099 (J)			0.065 (J)				
9/17/2019			0.2	0.47		0.14	0.077 (J)	0.04 (J)	
9/18/2019									0.044 (J)
2/13/2020									
2/17/2020									
2/18/2020	0.068 (J)	0.11	0.2	0.38		0.16	0.073 (J)		0.082 (J)
2/19/2020					0.064 (J)			0.027 (J)	
2/20/2020									
3/17/2020									
3/18/2020	<0.1								
3/23/2020						0.25	0.11		
3/24/2020									0.081 (J)
3/25/2020		0.13		0.31					
3/26/2020			0.14		0.081 (J)				
3/27/2020								0.045 (J)	
9/14/2020	0.035 (J)	0.076 (J)	0.11	0.29	0.042 (J)			<0.1	
9/15/2020						0.15	0.061 (J)		0.052 (J)
2/9/2021	0.059 (J)	0.12	0.22	0.37	0.074 (J)			<0.1	
2/10/2021						0.19	0.049 (J)		0.046 (J)
3/30/2021						0.18	0.074 (J)		
3/31/2021	0.051 (J)								0.046 (J)
4/1/2021		0.14	0.25	0.38					
4/6/2021									
4/7/2021					0.066 (J)			0.053 (J)	
8/17/2021	0.093 (J)								
8/18/2021		0.19	0.31	0.48			0.12		0.11
8/19/2021						0.17		<0.1	
8/20/2021					0.082 (J)				

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-14	SGWC-17	SGWC-15	SGWC-22	SGWC-16	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	0.031 (J)	0.066 (J)	0.1071 (J)	0.029 (J)	0.011 (J)		
5/13/2016						0.0343 (J)	0.0126 (J)
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.03 (J)		0.26 (J)		0.09 (J)		
6/29/2016		0.17 (J)		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	0.14 (J)		<0.1		
8/19/2016				<0.1			
8/22/2016						<0.1	<0.1
10/13/2016							
10/14/2016							
10/17/2016	<0.1						
10/18/2016			0.12 (J)	<0.1	<0.1		<0.1
10/19/2016		<0.1				<0.1	
12/5/2016							
12/6/2016							
12/7/2016	<0.1	<0.1	0.13 (J)	<0.1	<0.1	<0.1	
12/8/2016							<0.1
2/14/2017							
2/15/2017	<0.1	0.089 (J)	0.12 (J)				
2/16/2017				0.1 (J)	<0.1	<0.1	<0.1
4/10/2017							
4/11/2017							
4/12/2017	<0.1		0.11 (J)				
4/13/2017		<0.1		<0.1	<0.1	<0.1	<0.1
6/26/2017							
6/27/2017	<0.1	<0.1	0.13 (J)		<0.1		
6/28/2017				<0.1		<0.1	<0.1
10/10/2017							
10/11/2017	<0.1						
10/12/2017		<0.1	0.13 (J)	<0.1	<0.1	<0.1	<0.1
3/26/2018							
3/27/2018	<0.1	<0.1	0.12 (J)		<0.1		
3/28/2018				<0.1		<0.1	<0.1
6/5/2018							
6/6/2018							
6/7/2018	<0.1	<0.1	0.14 (J)	<0.1	<0.1		
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 (J)				
10/18/2018						<0.1	
2/18/2019							
2/19/2019				<0.1			
2/20/2019	<0.1	0.034 (J)	0.33		<0.1	<0.1	<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-14	SGWC-17	SGWC-15	SGWC-22	SGWC-16	SGWC-18	SGWC-19
3/28/2019							
3/29/2019							
4/1/2019	<0.1		0.072 (J)				
4/2/2019		0.045 (J)		<0.1	<0.1	0.05 (J)	<0.1
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019	0.028 (J)	0.047 (J)	0.1		<0.1	0.034 (J)	<0.1
9/18/2019				0.028 (J)			
2/13/2020							
2/17/2020							
2/18/2020				<0.1			
2/19/2020	0.026 (J)	0.046 (J)	0.13		<0.1		<0.1
2/20/2020						<0.1	
3/17/2020							
3/18/2020							
3/23/2020							0.057 (J)
3/24/2020		0.058 (J)		<0.1			
3/25/2020							
3/26/2020						0.091 (J)	
3/27/2020	0.041 (J)		0.13		0.027 (J)		
9/14/2020							
9/15/2020	0.04 (J)	0.052 (J)	0.15	<0.1	0.037 (J)	<0.1	<0.1
2/9/2021	<0.1		0.14		<0.1		
2/10/2021		0.03 (J)		<0.1		<0.1	<0.1
3/30/2021						0.1 (J)	<0.1
3/31/2021			0.12	<0.1			
4/1/2021		0.051 (J)			<0.1		
4/6/2021	<0.1						
4/7/2021							
8/17/2021							
8/18/2021		0.087 (J)		0.054 (J)		0.099 (J)	
8/19/2021	<0.1		0.12		0.038 (J)		<0.1
8/20/2021							

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 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-11	SGWC-10	SGWA-4 (bg)
5/10/2016	5.51	5.84	5.75	6.14	6.34	6.83			
5/11/2016							5.84	5.7	6.49
5/12/2016									
5/13/2016									
8/16/2016	5.42	5.64	5.72		6.35	6.73			
8/17/2016				6.1			5.71	5.55	6.42
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	5.52				6.34				
10/14/2016		5.59	5.71	6.14		6.47			
10/17/2016							5.69	5.45	6.44
10/18/2016									
10/19/2016									
12/5/2016					6.32				
12/6/2016	5.33	5.46	5.68	6.19		6.74	5.58	5.49	6.48
12/7/2016									
12/8/2016									
2/14/2017	5.29	5.29	5.57	6.34	6.33	6.85			6.18
2/15/2017							5.54	5.29	
2/16/2017									
4/10/2017					6.31				
4/11/2017	5.21	5.54	5.7	6.16		6.75			6.49
4/12/2017							5.47	5.39	
4/13/2017									
6/26/2017	5.25	5.54	5.68		6.35	6.82			6.48
6/27/2017				6.08			5.47		
6/28/2017									
10/10/2017	5.49				6.37	6.87			
10/11/2017		5.43	5.63	6.16			5.58		6.42
10/12/2017								5.3	
3/26/2018	5.39		5.89		6.32	6.77			
3/27/2018		5.52		6.12			5.65	5.58	6.53
3/28/2018									
6/5/2018	5.38	5.59		6.06	6.27	6.73			
6/6/2018			5.62				5.32	5.43	6.7
6/7/2018									
6/8/2018									
10/5/2018	5.46	5.7	5.76		6.37	6.81			
10/8/2018				6.16					6.53
10/9/2018								5.29	
10/16/2018							5.34		
10/18/2018									
3/28/2019		5.67	5.88	6.15					6.53
3/29/2019	5.22				6.31	6.81			
4/1/2019							5.24	5.46	
4/2/2019									
9/12/2019		5.59							
9/13/2019					6.36				
9/16/2019	5.22		5.8	6.05		6.82	5.32		6.44
9/17/2019								5.31	
9/18/2019									

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 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-11	SGWC-10	SGWA-4 (bg)
2/13/2020	5.09				6.24	6.59			
2/17/2020		5.73		6.1					
2/18/2020			5.76				5.09		6.38
2/19/2020								5.07	
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							5.16	5.26	
3/26/2020									
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	5.14	5.51	6.4
9/15/2020									
2/9/2021	5.25	5.53	5.8	6.06	6.4	6.75	5.24	5.23	6.38
2/10/2021									
3/30/2021	5.28				6.27	6.73			
3/31/2021		5.5	5.72					5.3	6.33
4/1/2021									
4/6/2021									
4/7/2021				6.12			5.18		
8/17/2021	5.26			6.08		6.84			6.41
8/18/2021		5.51	5.85		6.45				
8/19/2021							5.23	5.21	
8/20/2021									

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-12	SGWC-16	SGWC-17	SGWC-23	SGWC-21
5/10/2016									
5/11/2016	6.39	6.66	6.35	6.24	6.28				
5/12/2016						5.29	6.21	6.18	5.95
5/13/2016									
8/16/2016									
8/17/2016	6.28	6.55	6.45						
8/18/2016					6.23	5.3	6.24		
8/19/2016								5.84	
8/22/2016				6.15					5.96
10/13/2016									
10/14/2016									
10/17/2016	6.3		6.43		6.27				
10/18/2016		6.59		6.11		5.23		5.89	5.9
10/19/2016							6.2		
12/5/2016									
12/6/2016	6.3	6.51	6.48		6.28				
12/7/2016				6.14		5.31	6.19	5.87	6.03
12/8/2016									
2/14/2017	6.31	6.3	6.39						
2/15/2017					6.21		6.25	6.04	
2/16/2017				5.95		4.77			6.03
4/10/2017									
4/11/2017									
4/12/2017	6.23	6.43	6.35		6.15				
4/13/2017				6.09		5.28	6.21	5.85	5.93
6/26/2017									
6/27/2017	6.23	6.56	6.41	6.09	6.23	5.22	6.27		
6/28/2017								5.9	6
10/10/2017									
10/11/2017	6.09	6.4			6.26				
10/12/2017			6.41	6.16		5.43	6.33	6.07	6.09
3/26/2018									
3/27/2018	6.2	6.6	6.66		6.32	5.28	6.26	5.99	
3/28/2018				6.3					6.08
6/5/2018									
6/6/2018	5.99	6.56	6.42	6.12	6.1				
6/7/2018						5.26	6.21	5.97	6.1
6/8/2018									
10/5/2018									
10/8/2018	6.3				6.16	5.29	6.17	5.94	6.14
10/9/2018		6.56	6.51	6.06					
10/16/2018									
10/18/2018									
3/28/2019									
3/29/2019									
4/1/2019		6.57	6.41	6.11	6.14				
4/2/2019	6.25					5.27	6.26	5.87	6.09
9/12/2019									
9/13/2019									
9/16/2019	6.26			6.11	6.18				
9/17/2019		6.41	6.5			5.26	6.23		6.27
9/18/2019								5.97	

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-12	SGWC-16	SGWC-17	SGWC-23	SGWC-21
2/13/2020									
2/17/2020									
2/18/2020	6.32	6.35	6.39					5.95	6.06
2/19/2020				6.03	6.07	5.16	6.16		
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020									6.12
3/24/2020							6.21	6	
3/25/2020	6.31		6.35	6.01					
3/26/2020		6.52			6.1				
3/27/2020						5.17			
5/19/2020									
9/14/2020	6.29	6.31	6.56	6.33	6.11				
9/15/2020						5.56	6.42	5.89	6.1
2/9/2021	6.34	6.42	6.35	6.21	6.13	5.22			
2/10/2021							6.23	5.85	6.21
3/30/2021									6.17
3/31/2021				6.2				5.93	
4/1/2021	6.31	6.44	6.32			5.24	6.25		
4/6/2021									
4/7/2021					6.44				
8/17/2021									
8/18/2021	6.33	6.61	6.48				6.26	6.01	6.26
8/19/2021				6.22		5.28			
8/20/2021					6.13				

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-15	SGWC-20	SGWC-14	SGWC-13	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	5.675 (D)	4.76	4.36	5.79	6.09		
5/13/2016						4.7	5.55
8/16/2016							
8/17/2016							
8/18/2016		4.73		5.75	6		
8/19/2016	5.65						
8/22/2016			4.37			4.68	5.5
10/13/2016							
10/14/2016							
10/17/2016				5.73	6.01		
10/18/2016	5.71	4.62	4.26				5.46
10/19/2016						4.65	
12/5/2016							
12/6/2016					5.98		
12/7/2016	5.71	4.63		5.75		4.69	
12/8/2016			4.28				5.39
2/14/2017							
2/15/2017		4.51		5.58	5.74		
2/16/2017	5.7		4.29			4.77	5.32
4/10/2017							
4/11/2017							
4/12/2017		4.67		5.85	6.01		
4/13/2017	5.7		4.24			4.79	5.47
6/26/2017							
6/27/2017		4.66		5.86	6.05		
6/28/2017	5.66		4.28			4.78	5.5
10/10/2017							
10/11/2017				5.98	6.14		
10/12/2017	5.73	4.76	4.32			4.86	5.57
3/26/2018							
3/27/2018		4.61		5.87	6.25		
3/28/2018	5.89		4.25			4.74	5.74
6/5/2018							
6/6/2018							
6/7/2018	5.66	4.62	4.26	5.81	5.93		
6/8/2018						4.69	5.52
10/5/2018							
10/8/2018	5.74			5.83	6.02		
10/9/2018							5.51
10/16/2018		4.59					
10/18/2018			4.3			4.7	
3/28/2019							
3/29/2019							
4/1/2019		4.72		5.89	6.06		
4/2/2019	5.65		4.33			4.72	5.5
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019		4.65	4.37	5.78	5.98	4.77	5.55
9/18/2019	5.66						

Prediction Limit

Constituent: pH (S.U.) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-15	SGWC-20	SGWC-14	SGWC-13	SGWC-18	SGWC-19
2/13/2020							
2/17/2020							
2/18/2020	5.59		4.3				
2/19/2020		4.58		5.75	5.94		5.53
2/20/2020						4.64	
3/17/2020							
3/18/2020							
3/23/2020			4.19				5.51
3/24/2020	5.62						
3/25/2020							
3/26/2020						4.74	
3/27/2020		4.51		5.74	5.89		
5/19/2020							
9/14/2020					6		
9/15/2020	5.65	4.87	4.3	6.01		4.94	5.51
2/9/2021		4.26		5.85	5.98		
2/10/2021	5.58		4.22			4.8	5.55
3/30/2021			4.32			4.82	5.57
3/31/2021	5.73	4.77					
4/1/2021							
4/6/2021				5.84			
4/7/2021					6.07		
8/17/2021							
8/18/2021	5.76					4.83	
8/19/2021		4.63	4.28	5.86	5.99		5.61
8/20/2021							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
5/10/2016	0.6766 (J)	0.686 (J)	<1	2.82	0.4716 (J)	0.4053 (J)			
5/11/2016							21.6	0.866 (J)	3.75
5/12/2016									
5/13/2016									
6/23/2016	0.94 (J)		0.3 (J)		0.46 (J)	0.55 (J)			
6/24/2016				2.3					3
6/27/2016		0.61 (J)					17	0.86 (J)	
6/28/2016									
6/29/2016									
6/30/2016									
8/16/2016	1.2		<1	1.5	<1	<1			
8/17/2016		<1					19	<1	1.8
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	2.9		<1						
10/14/2016		<1		1.2	<1	<1			
10/17/2016								<1	1.4
10/18/2016							17		
10/19/2016									
12/5/2016			<1						
12/6/2016	3.2	<1		1.3	<1	<1	18	<1	1.4
12/7/2016									
12/8/2016									
2/14/2017	0.76 (J)	<1	<1	1.9	<1	<1	21	1	1.1
2/15/2017									
2/16/2017									
4/10/2017			<1						
4/11/2017	<1	<1		1.3	<1	<1			1
4/12/2017							18	<1	
4/13/2017									
6/26/2017	0.74 (J)		<1	1.5	<1	<1			0.99 (J)
6/27/2017		<1					19	<1	
6/28/2017									
10/10/2017	0.76 (J)		<1			<1			
10/11/2017		<1		0.98 (J)	<1		15	<1	0.93 (J)
10/12/2017									
6/5/2018	<1	<1	<1		<1	<1			
6/6/2018				1.8			14	<1	0.89 (J)
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	<1	<1	<1	1.4	<1	<1			0.76 (J)
12/14/2018							10	<1	
12/17/2018									
3/28/2019		<1		1.9	<1				1.2
3/29/2019	<1		<1			0.65 (J)			
4/1/2019							16		
4/2/2019								1.3	
9/12/2019					<1				
9/13/2019			<1						

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
9/16/2019	0.98 (J)	<1		0.92 (J)		0.68 (J)		0.53 (J)	1.1
9/17/2019							8.7		
9/18/2019									
3/17/2020		0.61 (J)		1.6	0.55 (J)	0.78 (J)			
3/18/2020	1.2		0.45 (J)						1.3
3/23/2020									
3/24/2020									
3/25/2020								0.58 (J)	
3/26/2020							15		
3/27/2020									
9/14/2020	0.58 (J)	<1	<1	0.82 (J)	<1	<1	17	0.46 (J)	0.96 (J)
9/15/2020									
3/30/2021	1.2		<1			<1			
3/31/2021				1.1	<1				1.1
4/1/2021							18	<1	
4/6/2021									
4/7/2021		<1							
8/17/2021	<1	<1				<1			1.1
8/18/2021			1	0.9 (J)	<1		12	<1	
8/19/2021									
8/20/2021									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
5/10/2016									
5/11/2016	313	61.6	6.31	7.43	30.1				
5/12/2016						255	125	194	131
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		64							
6/28/2016			3.7	6.3	25			200	
6/29/2016	280					270	120		120
6/30/2016									
8/16/2016									
8/17/2016		63	2.4	11					
8/18/2016					24		130	190	
8/19/2016									120
8/22/2016	300					270			
10/13/2016									
10/14/2016									
10/17/2016		64	2.1	4.4	23				
10/18/2016	280					240		190	130
10/19/2016							140		
12/5/2016									
12/6/2016		72	1.9	11	28				
12/7/2016	280						160	200	140
12/8/2016						240			
2/14/2017		73							
2/15/2017			1.2	1.3	33		160	190	120
2/16/2017	300					230			
4/10/2017									
4/11/2017									
4/12/2017		64	1	2.8	30			170	
4/13/2017	280					220	140		100
6/26/2017									
6/27/2017	340	77	1.2	8.2	33		160	200	
6/28/2017						240			120
10/10/2017									
10/11/2017			0.82 (J)		33				
10/12/2017	310	74		1.3		210	170	190	120
6/5/2018									
6/6/2018	320	74	0.89 (J)	2.9	41				
6/7/2018						210	170	190	100
6/8/2018									
10/16/2018			1.3					200	
10/18/2018						210			
12/13/2018									
12/14/2018		72			43		180		
12/17/2018	330			16					96
3/28/2019									
3/29/2019									
4/1/2019	310	67	0.81 (J)	21	48			190	
4/2/2019						220	180		95
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
9/16/2019	310		0.72 (J)		44				
9/17/2019		77		2.3		220	200	220	
9/18/2019									95
3/17/2020									
3/18/2020									
3/23/2020						220			
3/24/2020							190		71
3/25/2020	300	62	0.58 (J)	14					
3/26/2020					44				
3/27/2020								190	
9/14/2020	220	81	0.59 (J)	2.2	41				
9/15/2020						200	190	190	72
3/30/2021						220			
3/31/2021	240			15				200	75
4/1/2021		74					210		
4/6/2021									
4/7/2021			1.3		54				
8/17/2021									
8/18/2021		78					200		66
8/19/2021	160		<1	2.2		230		200	
8/20/2021					60				

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	9.9	85.3	194	76.9	89.7		
5/13/2016						212	484
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	11		200		76		
6/29/2016		84		78		220	
6/30/2016							490
8/16/2016							
8/17/2016							
8/18/2016	14		180		78		
8/19/2016		81					
8/22/2016				78		220	500
10/13/2016							
10/14/2016							
10/17/2016			190		73		
10/18/2016	15	83		70		210	
10/19/2016							520
12/5/2016							
12/6/2016					76		
12/7/2016	17	85	200	80			510
12/8/2016						220	
2/14/2017							
2/15/2017			190		73		
2/16/2017	17	83		77		210	450
4/10/2017							
4/11/2017							
4/12/2017			170		70		
4/13/2017	15	79		70		190	380
6/26/2017							
6/27/2017	19		200		78		
6/28/2017		90		82		220	390
10/10/2017							
10/11/2017			190		72		
10/12/2017	20	87		76		210	430
6/5/2018							
6/6/2018							
6/7/2018	25	94	190	79	69		
6/8/2018						220	870
10/16/2018							
10/18/2018							1200
12/13/2018							
12/14/2018			190		74		
12/17/2018	28	99		88		270	
3/28/2019							
3/29/2019							
4/1/2019			180		82		
4/2/2019	31	100		92		240	1100
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	33		200	99	79	260	1100
9/18/2019		100					
3/17/2020							
3/18/2020							
3/23/2020				120		250	
3/24/2020		100					
3/25/2020							
3/26/2020							1000
3/27/2020	35		180		81		
9/14/2020					89		
9/15/2020	36	110	180	130		250	860
3/30/2021				140		270	960
3/31/2021		120					
4/1/2021	37						
4/6/2021			190				
4/7/2021					96		
8/17/2021							
8/18/2021		110		130			940
8/19/2021	38		190		82	280	
8/20/2021							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
5/10/2016	44	100	110	59	64	96			
5/11/2016							222	104	91
5/12/2016									
5/13/2016									
6/23/2016	38		118		58	91			
6/24/2016				39					78
6/27/2016		117					275	112	
6/28/2016									
6/29/2016									
6/30/2016									
8/16/2016	22		110	38	52	100			
8/17/2016		86					220	86	100
8/18/2016									
8/19/2016									
8/22/2016									
10/13/2016	66		120						
10/14/2016		80		34	58	100			
10/17/2016								60	58
10/18/2016							210		
10/19/2016									
12/5/2016			110						
12/6/2016	54	110		70	72	110	250	90	98
12/7/2016									
12/8/2016									
2/14/2017	18	98	86	32	52	76	210	54	78
2/15/2017									
2/16/2017									
4/10/2017			120						
4/11/2017	50	110		64	78	120			110
4/12/2017							200	64	
4/13/2017									
6/26/2017	60		130	64	80	110			110
6/27/2017		18					180	40	
6/28/2017									
10/10/2017	36		110			100			
10/11/2017		94		42	64		210	82	120
10/12/2017									
6/5/2018	8	80	76		50	74			
6/6/2018				46			210	100	120
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	16	4 (J)	100	4 (J)	58	110			94
12/14/2018							170	44	
12/17/2018									
3/28/2019		79		43	58				110
3/29/2019	<10		110			72			
4/1/2019							200		
4/2/2019								91	
9/12/2019					22				
9/13/2019			200						

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-3 (bg)	SGWA-5 (bg)	SGWA-2 (bg)	SGWC-7	SGWC-6	SGWA-4 (bg)
9/16/2019	17	42		19		91		76	57
9/17/2019							140		
9/18/2019									
3/17/2020		98		52	30	100			
3/18/2020	25		110						140
3/23/2020									
3/24/2020									
3/25/2020								94	
3/26/2020							180		
3/27/2020									
9/14/2020	20	71	95	55	36	93	200	99	110
9/15/2020									
3/30/2021	32		110			110			
3/31/2021				57	35				120
4/1/2021							200	83	
4/6/2021									
4/7/2021		95							
8/17/2021	27	97				110			130
8/18/2021			120	66	53		210	140	
8/19/2021									
8/20/2021									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
5/10/2016									
5/11/2016	527	330	80	68	195				
5/12/2016						386	261	298	288
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016		423							
6/28/2016			134	41	200			337	
6/29/2016	562					436	323		272
6/30/2016									
8/16/2016									
8/17/2016		410	42	70					
8/18/2016					200		310	310	
8/19/2016									290
8/22/2016	500					290			
10/13/2016									
10/14/2016									
10/17/2016		370	24	6	160				
10/18/2016	490					200		320	270
10/19/2016							330 (D)		
12/5/2016									
12/6/2016		420	70	40	220				
12/7/2016	510						370	270	300
12/8/2016						370			
2/14/2017		370							
2/15/2017			34	18	200		350	310	260
2/16/2017	520					350			
4/10/2017									
4/11/2017									
4/12/2017		370	36	18	180			280	
4/13/2017	590					380	390		300
6/26/2017									
6/27/2017	550	380	8	50	200		350	290	
6/28/2017						320			250
10/10/2017									
10/11/2017			56		190				
10/12/2017	560	400		46		350	380	330	280
6/5/2018									
6/6/2018	590	410	40	38	260				
6/7/2018						320	360	310	220
6/8/2018									
10/16/2018			100					350	
10/18/2018						370			
12/13/2018									
12/14/2018		390			190		390		
12/17/2018	510			38					30
3/28/2019									
3/29/2019									
4/1/2019	580	370	33	82	200			330	
4/2/2019						370	400		250
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-9	SGWC-8	SGWC-11	SGWC-10	SGWC-12	SGWC-20	SGWC-17	SGWC-15	SGWC-23
9/16/2019	550		<10		200				
9/17/2019		380		17		320	380	320	
9/18/2019									490
3/17/2020									
3/18/2020									
3/23/2020						330			
3/24/2020							430		210
3/25/2020	540	360	38	59					
3/26/2020					200				
3/27/2020								330	
9/14/2020	470	360	39	45	190				
9/15/2020						350	440	340	210
3/30/2021						350			
3/31/2021	430			64				300	220
4/1/2021		360					410		
4/6/2021									
4/7/2021			40		210				
8/17/2021									
8/18/2021		410					450		210
8/19/2021	380		36	54		340		320	
8/20/2021					220				

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	46	212	309	260	190		
5/13/2016						366	728
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	60		333		198		
6/29/2016		214		311		370	
6/30/2016							742
8/16/2016							
8/17/2016							
8/18/2016	48		320		180		
8/19/2016		230					
8/22/2016				390		350	670
10/13/2016							
10/14/2016							
10/17/2016			320		140		
10/18/2016	60	190		300		340	
10/19/2016							700
12/5/2016							
12/6/2016					110		
12/7/2016	64	230	340	310			720
12/8/2016						350	
2/14/2017							
2/15/2017			340		160		
2/16/2017	40	200		310		340	600
4/10/2017							
4/11/2017							
4/12/2017			300		140		
4/13/2017	76	220		300		350	640
6/26/2017							
6/27/2017	50		320		170		
6/28/2017		190		290		340	540
10/10/2017							
10/11/2017			340		170		
10/12/2017	68	230		290		370	640
6/5/2018							
6/6/2018							
6/7/2018	74	210	340	260	190		
6/8/2018						320	820
10/16/2018							
10/18/2018							1200
12/13/2018							
12/14/2018			280		140		
12/17/2018	42	260		310		250	
3/28/2019							
3/29/2019							
4/1/2019			330		190		
4/2/2019	73	240		300		420	1700
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 10/12/2021 1:15 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-22	SGWC-14	SGWC-21	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	59		310	290	170	400	1600
9/18/2019		470					
3/17/2020							
3/18/2020							
3/23/2020				330		390	
3/24/2020		250					
3/25/2020							
3/26/2020							1600
3/27/2020	99		330		200		
9/14/2020					190		
9/15/2020	90	250	360	390		450	1500
3/30/2021				380		420	1500
3/31/2021		240					
4/1/2021	88						
4/6/2021			320				
4/7/2021					200		
8/17/2021							
8/18/2021		260		380			1400
8/19/2021	100		370		210	440	
8/20/2021							

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWC-11	0.05462	121	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5525	98	63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.05638	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.03572	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.01033	67	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.4293	80	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5265	75	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.5922	64	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-13	0.8732	83	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.366	113	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.56	93	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.525	98	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.635	-74	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-7	-1.296	-70	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.2358	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	1.028	98	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	1.983	95	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	1.007	101	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.6169	-70	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.578	108	63	Yes	17	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-20	-0.02455	-115	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	6.006	101	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	5.803	130	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	15.14	116	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	11.63	73	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-20	-8.078	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.68	93	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	6	97	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.99	-102	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.367	66	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	26.46	107	63	Yes	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	9.309	67	63	Yes	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-14	-63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	14	63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	7	63	No	17	88.24	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	14	63	No	17	94.12	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-11**	**0.05462**	**121**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-13	-0.005878	-25	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.04279	54	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.02307	-22	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.003767	31	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.01575	23	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-18**	**0.5525**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-19	0.01461	23	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.04643	-34	-63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-21**	**-0.05638**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-22	0.01518	43	63	No	17	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-23**	**-0.03572**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**SGWC-8**	**0.01033**	**67**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-9	0	-10	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.1261	-56	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-2 (bg)**	**0.4293**	**80**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWA-24 (bg)**	**0.5265**	**75**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-25 (bg)	-0.2935	-48	-63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	0.0517	8	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-4 (bg)**	**0.5922**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-5 (bg)	0.03968	37	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	20	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-13**	**0.8732**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-14	0.6794	51	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-17**	**4.366**	**113**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-18	4.7	31	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-19**	**2.56**	**93**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-21	1.832	60	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-22**	**1.525**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-23**	**-1.635**	**-74**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-7**	**-1.296**	**-70**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-8	0.7204	44	63	No	17	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-1.008	-29	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.02884	-22	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	0	-14	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0.0478	19	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0.0427	12	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWA-3 (bg)**	**-0.2358**	**-73**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWA-4 (bg)	0	-5	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	0	-7	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0.08387	16	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1559	55	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-13**	**1.028**	**98**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-14	0	-9	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.1139	43	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.1862	53	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-17	0	-5	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	**SGWC-18**	**1.983**	**95**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-19	0	-3	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	-2	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-21**	**1.007**	**101**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-22	0.03224	35	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.1586	44	63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-7**	**-0.6169**	**-70**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-8	-0.1508	-27	-63	No	17	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-9**	**1.578**	**108**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	SGWA-1 (bg)	0	-20	-87	No	21	95.24	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.003284	-61	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.005442	-65	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.001763	-57	-87	No	21	47.62	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-3 (bg)	0	6	87	No	21	71.43	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.005108	-85	-87	No	21	42.86	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-5 (bg)	0	-9	-87	No	21	85.71	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**SGWC-20**	**-0.02455**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	SGWC-6	-0.002476	-17	-87	No	21	14.29	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.008094	-41	-87	No	21	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.01971	-60	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.03893	-69	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	0	2	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.01239	41	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.02115	-78	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02594	58	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01681	-50	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0	2	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01385	-25	-74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02589	63	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005014	-12	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	0	8	63	No	17	29.41	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	16	63	No	17	70.59	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	5	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	18	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1506	-57	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1442	-61	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-5 (bg)	0	21	63	No	17	82.35	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-12**	**6.006**	**101**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-13	1.52	36	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-25	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	13	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-16**	**5.803**	**130**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-17**	**15.14**	**116**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-18	98.79	49	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-19**	**11.63**	**73**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-20**	**-8.078**	**-66**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-21**	**10.68**	**93**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-22**	**6**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-23**	**-11.99**	**-102**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-7	-1.112	-56	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-8**	**2.367**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-9	-5.431	-22	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-5.191	-38	-63	No	17	5.882	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	11	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	-2	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

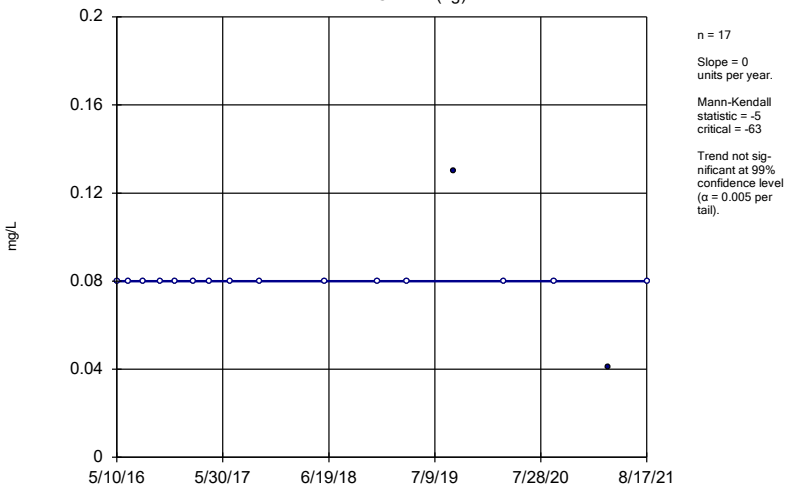
Plant Scherer Client: Southern Company Data: Scherer AP Printed 10/12/2021, 1:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-3.668	-37	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	2.84	15	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	8.713	60	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-4.996	-48	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	1.391	27	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	6.229	47	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	3.946	27	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	4.125	31	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**26.46**	**107**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	178.8	51	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	15.37	44	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-4.859	-18	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	6.626	24	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**9.309**	**67**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-15.3	-60	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	-7.62	-63	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-2.673	-25	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-8.624	-25	-63	No	17	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -63

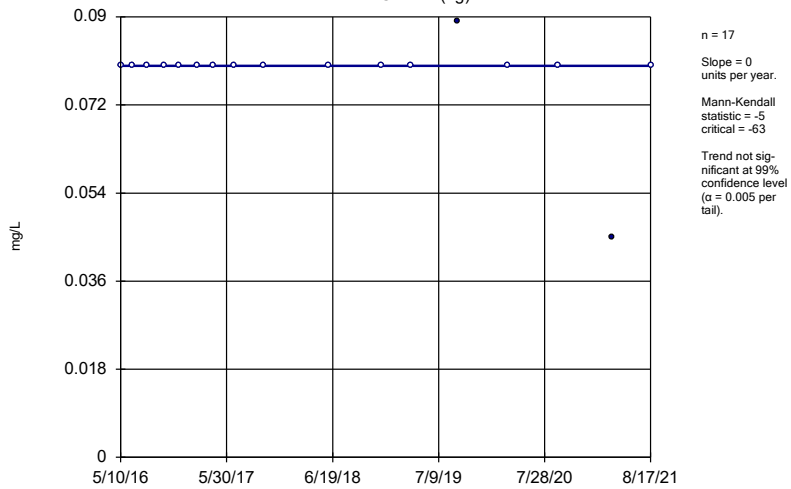
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:15 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -63

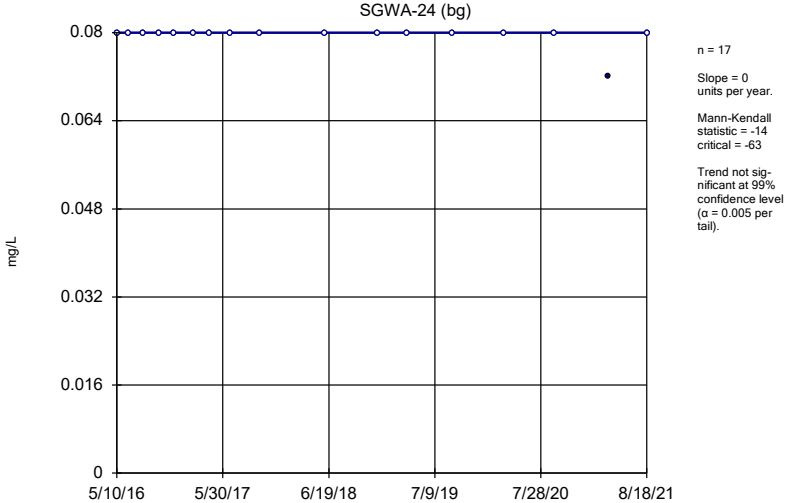
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -14
critical = -63

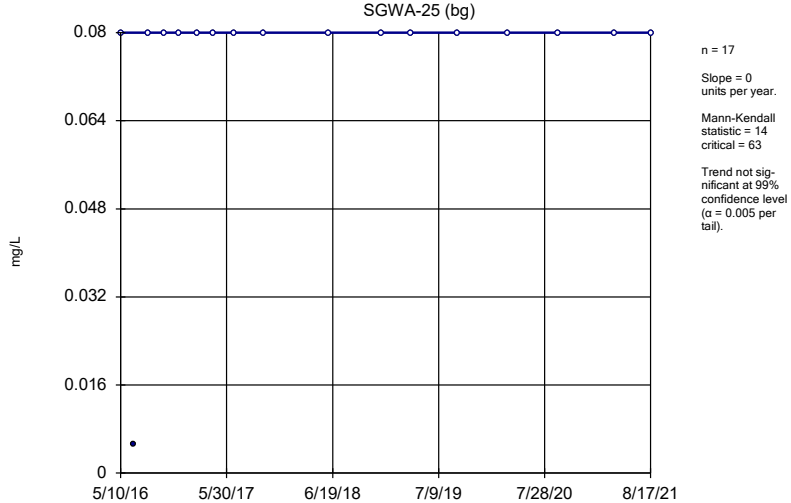
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 63

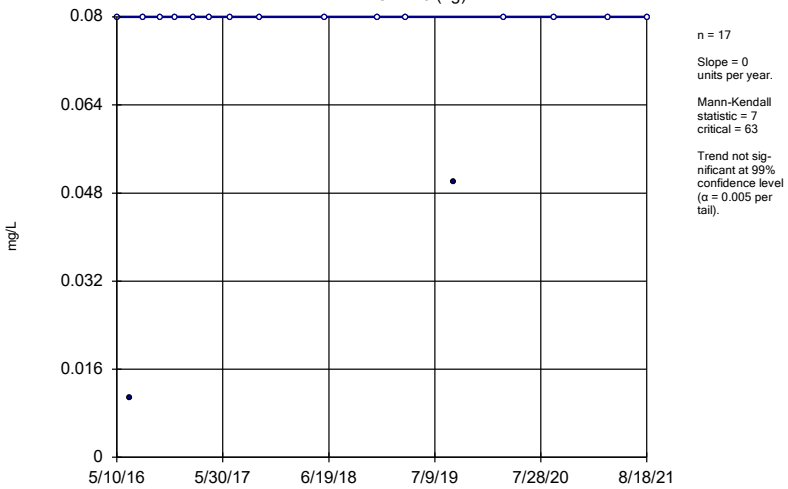
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 63

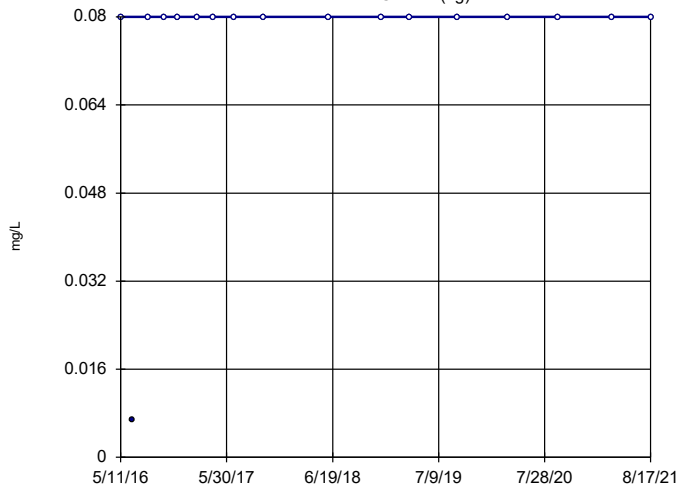
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 63

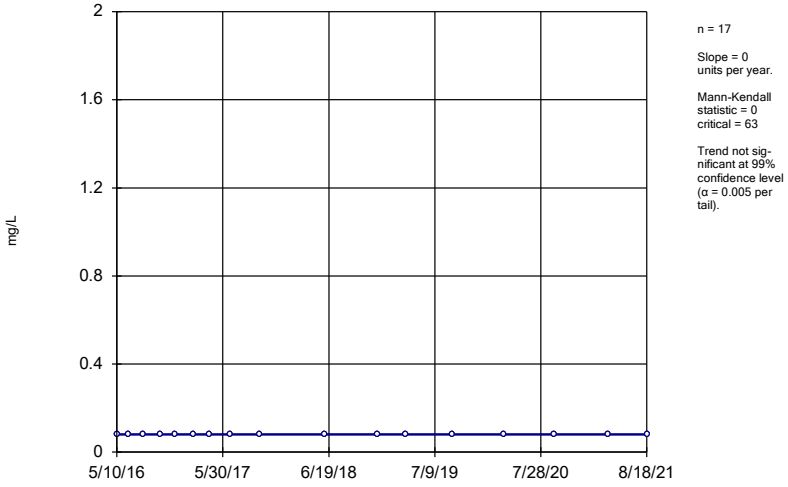
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

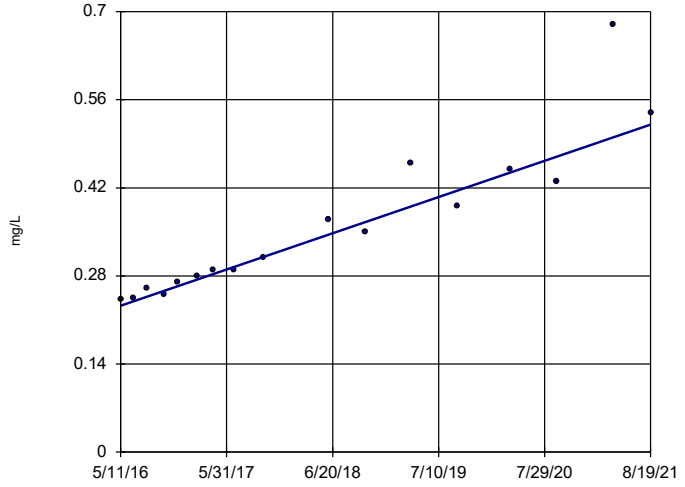
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-11



n = 17

Slope = 0.05462 units per year.

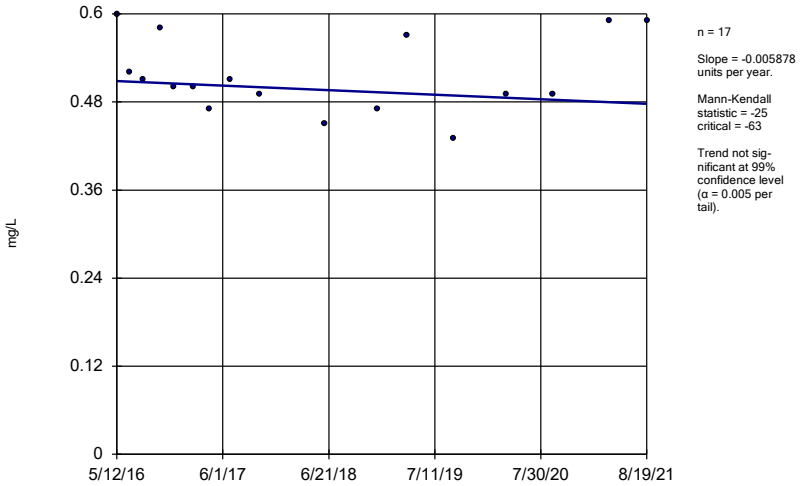
Mann-Kendall statistic = 121
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-13



n = 17

Slope = -0.005878 units per year.

Mann-Kendall statistic = -25
critical = -63

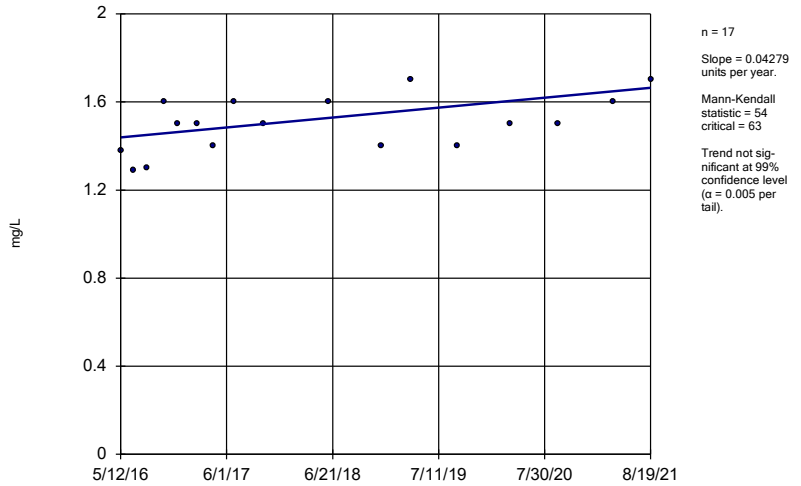
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 17

Slope = 0.04279 units per year.

Mann-Kendall statistic = 54
critical = 63

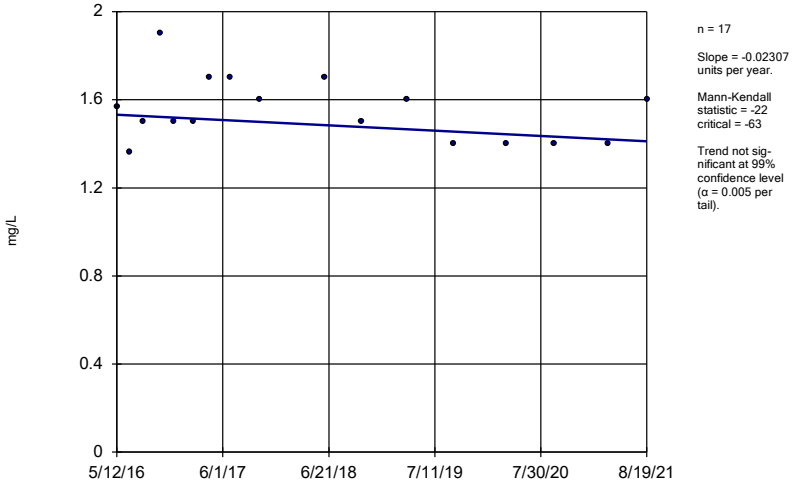
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 17

Slope = -0.02307 units per year.

Mann-Kendall statistic = -22
critical = -63

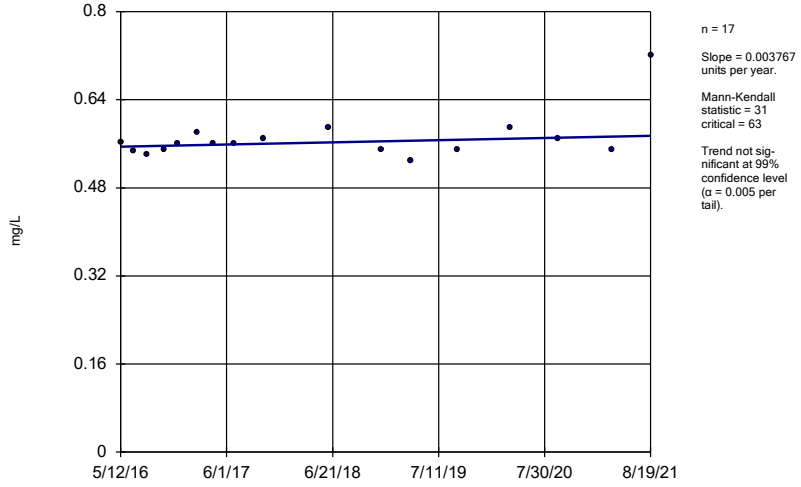
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 17

Slope = 0.003767 units per year.

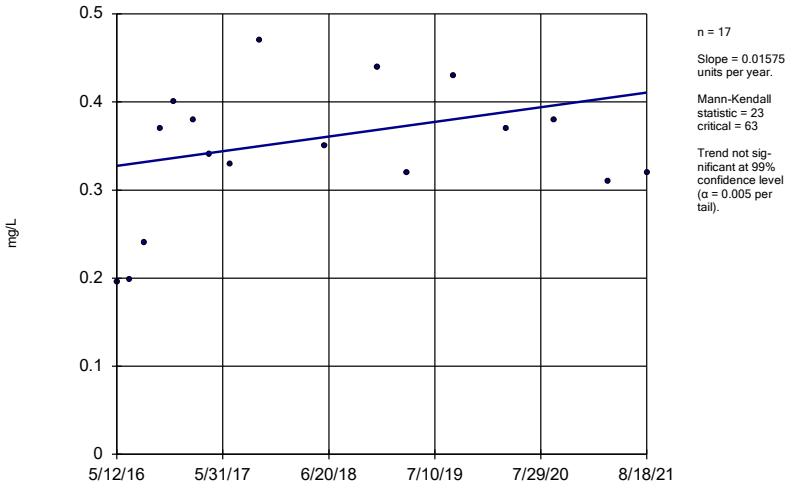
Mann-Kendall statistic = 31
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-17



n = 17

Slope = 0.01575 units per year.

Mann-Kendall statistic = 23
critical = 63

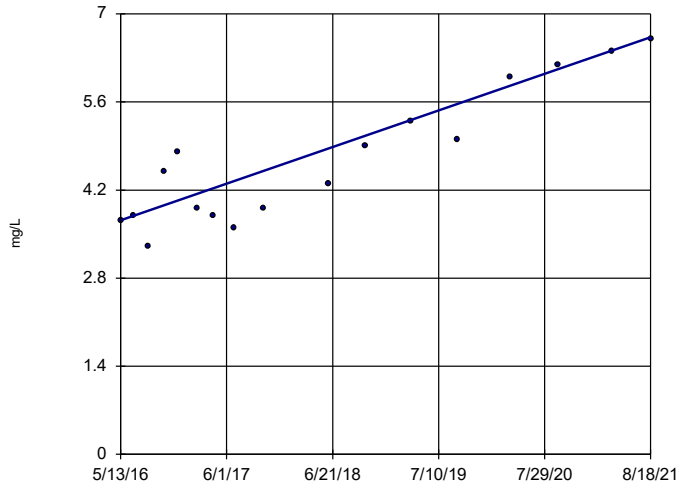
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 17

Slope = 0.5525 units per year.

Mann-Kendall statistic = 98
critical = 63

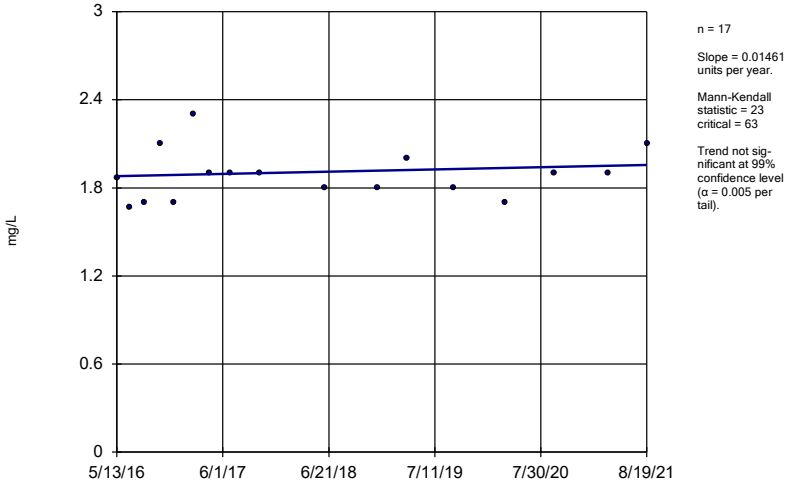
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 17

Slope = 0.01461 units per year.

Mann-Kendall statistic = 23
critical = 63

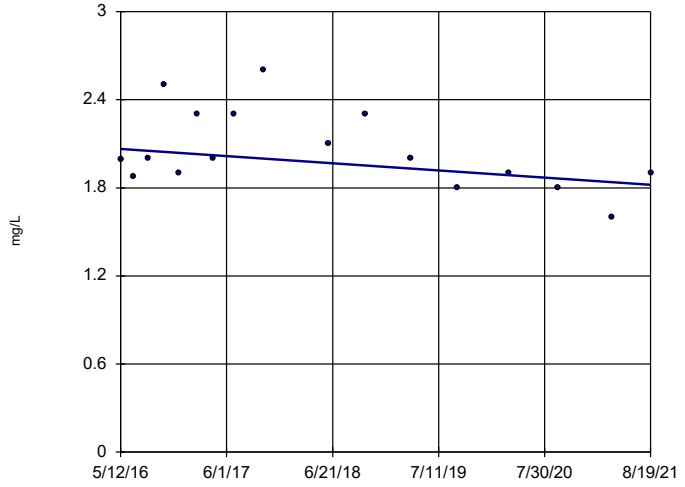
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 17

Slope = -0.04643 units per year.

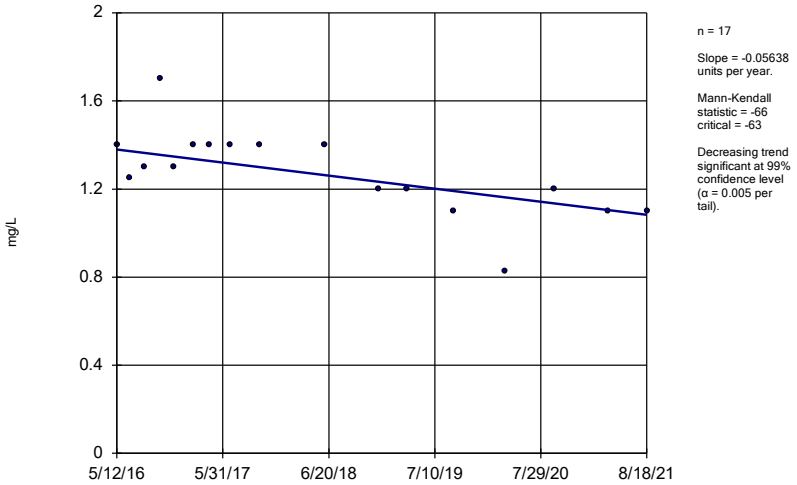
Mann-Kendall statistic = -34
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-21



n = 17

Slope = -0.05638 units per year.

Mann-Kendall statistic = -66
critical = -63

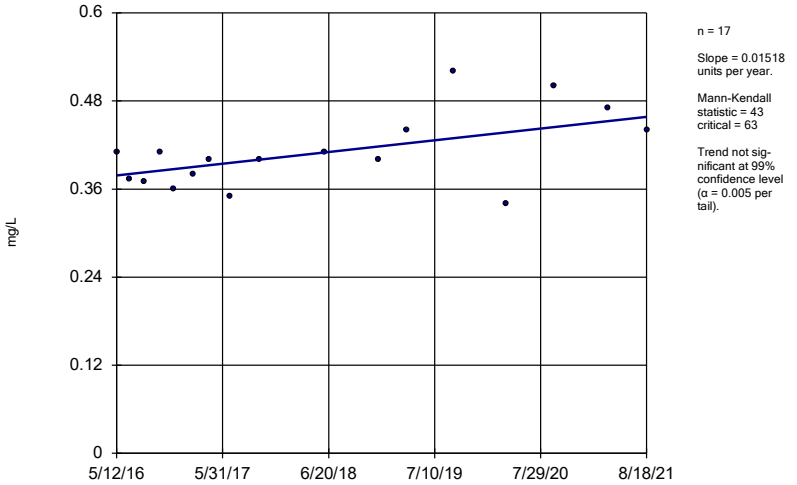
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 17

Slope = 0.01518 units per year.

Mann-Kendall statistic = 43
critical = 63

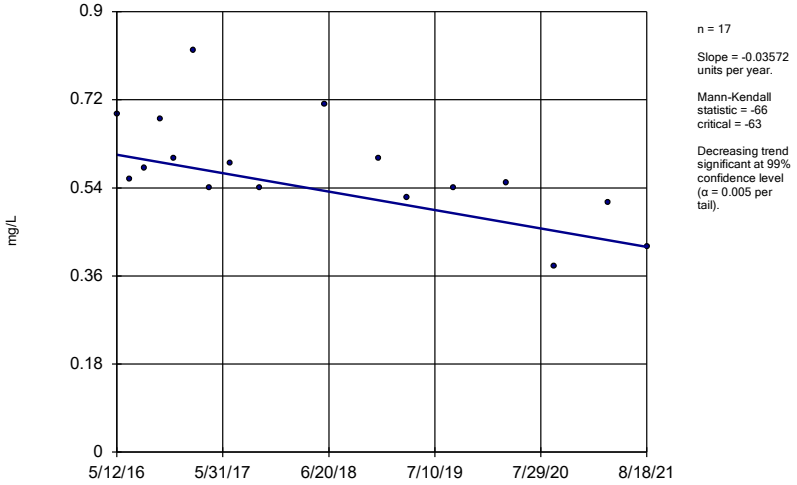
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 17

Slope = -0.03572 units per year.

Mann-Kendall statistic = -66
critical = -63

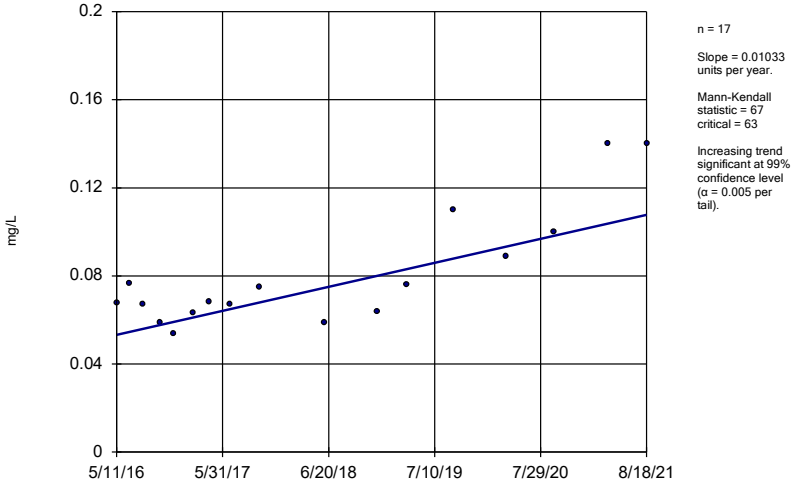
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 17

Slope = 0.01033 units per year.

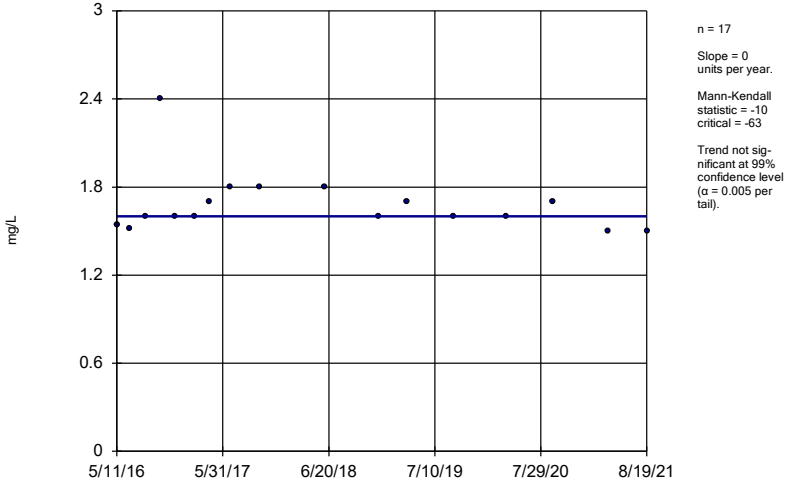
Mann-Kendall statistic = 67
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-9



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -10
critical = -63

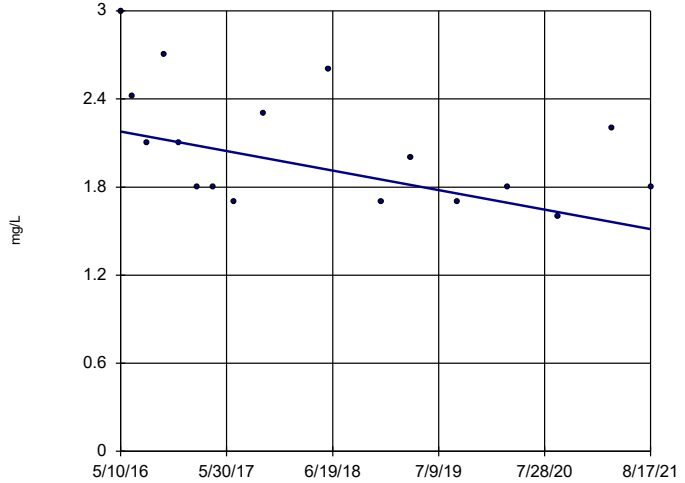
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = -0.1261 units per year.

Mann-Kendall statistic = -56
critical = -63

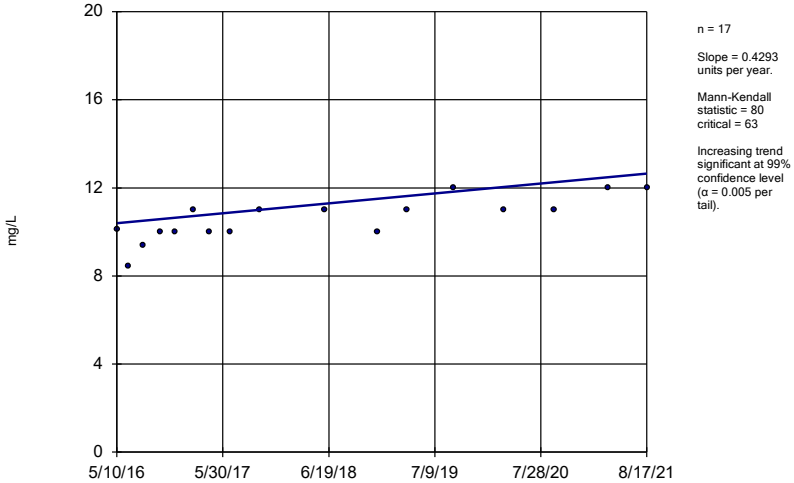
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 17

Slope = 0.4293 units per year.

Mann-Kendall statistic = 80
critical = 63

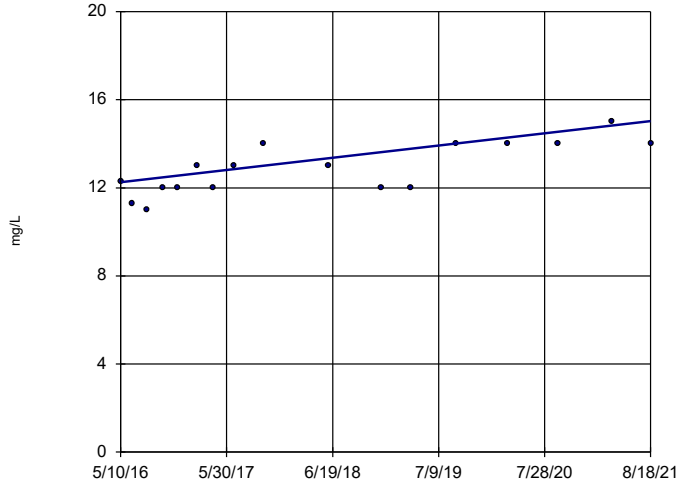
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 17

Slope = 0.5265 units per year.

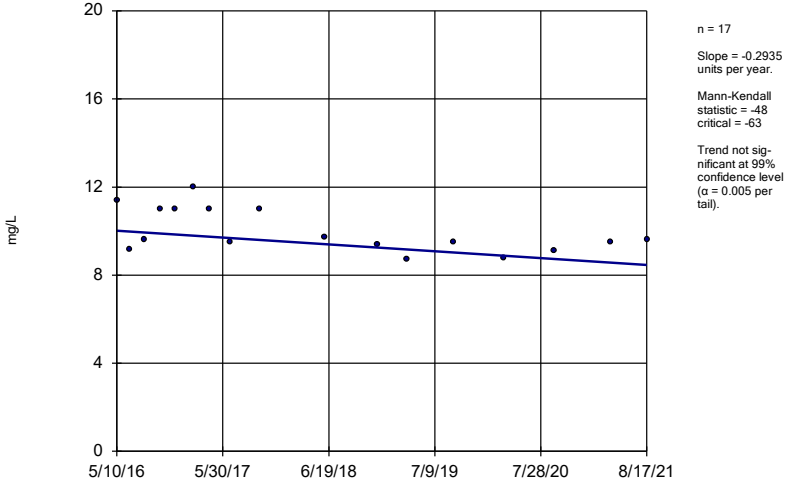
Mann-Kendall statistic = 75
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-25 (bg)



n = 17

Slope = -0.2935 units per year.

Mann-Kendall statistic = -48
critical = -63

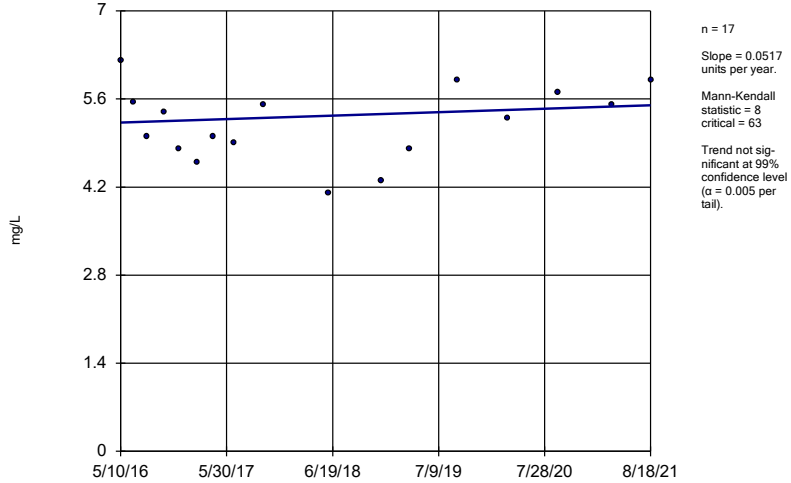
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 17

Slope = 0.0517 units per year.

Mann-Kendall statistic = 8
critical = 63

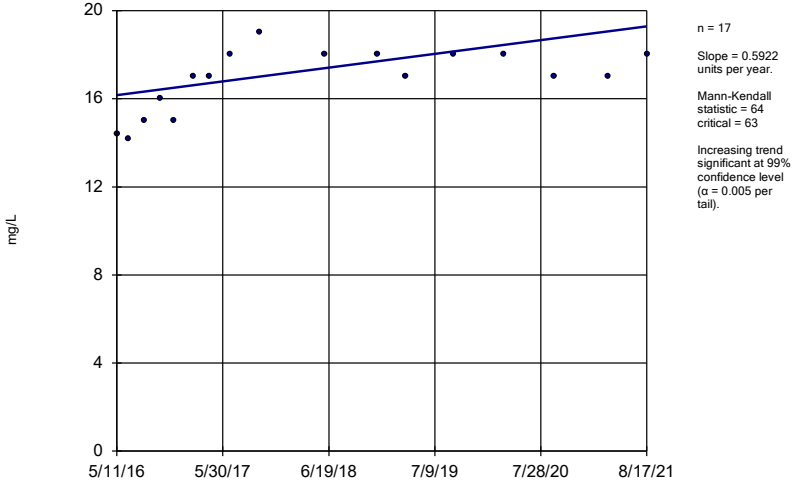
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 17

Slope = 0.5922 units per year.

Mann-Kendall statistic = 64
critical = 63

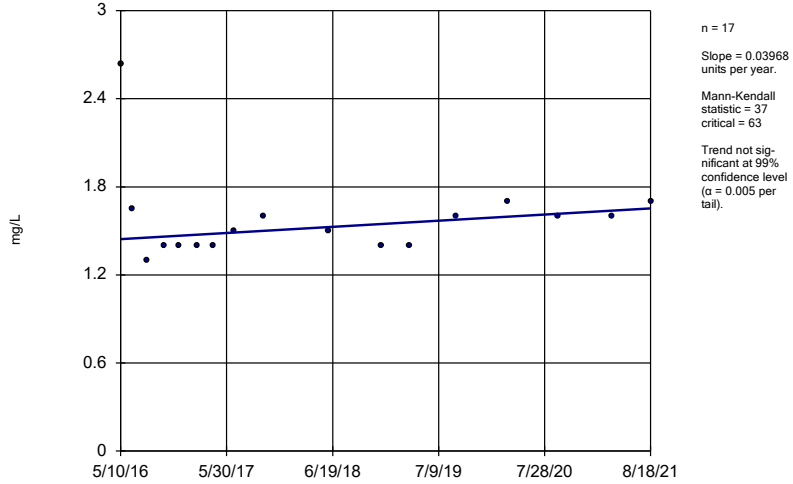
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 17

Slope = 0.03968 units per year.

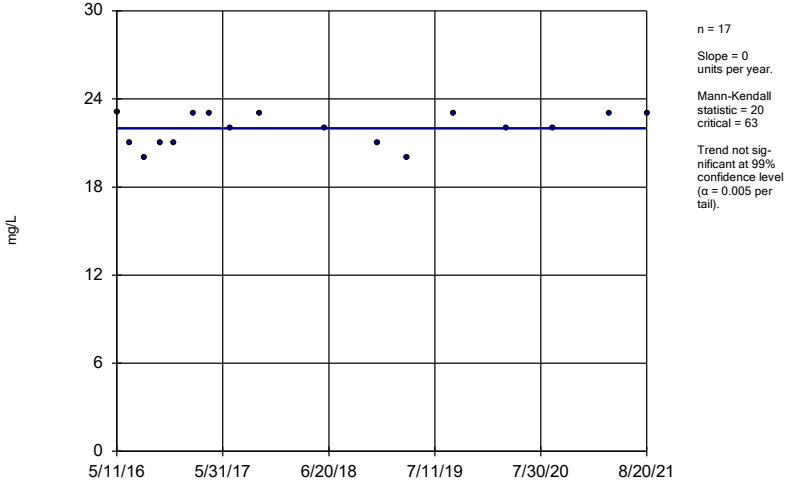
Mann-Kendall statistic = 37
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-12



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 20 critical = 63

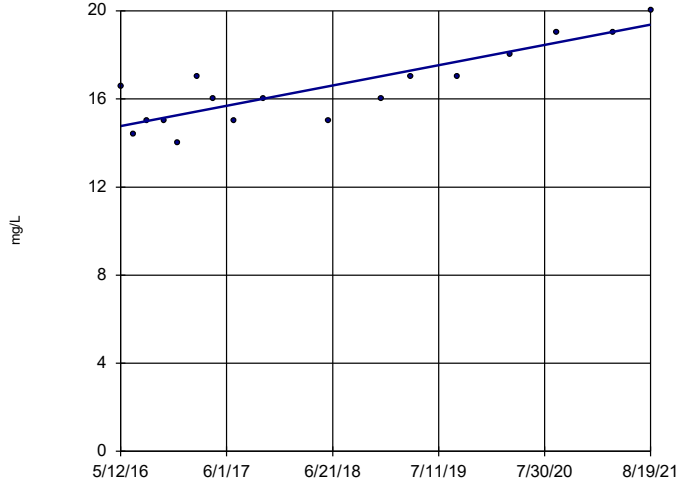
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 17

Slope = 0.8732 units per year.

Mann-Kendall statistic = 83 critical = 63

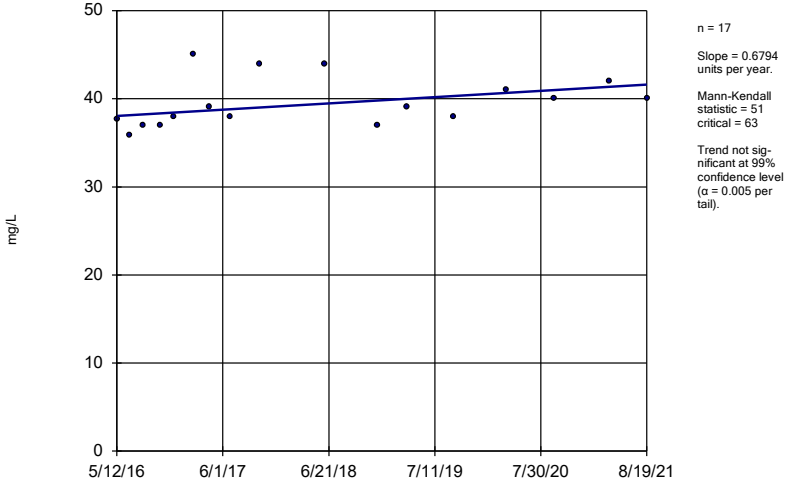
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 17

Slope = 0.6794 units per year.

Mann-Kendall statistic = 51 critical = 63

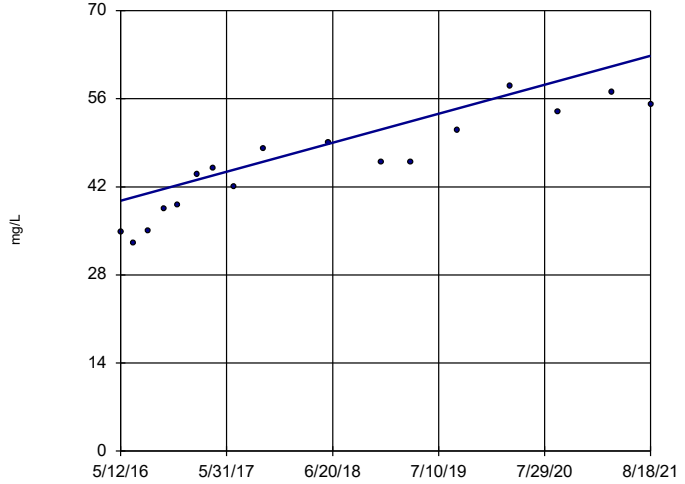
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 17

Slope = 4.366 units per year.

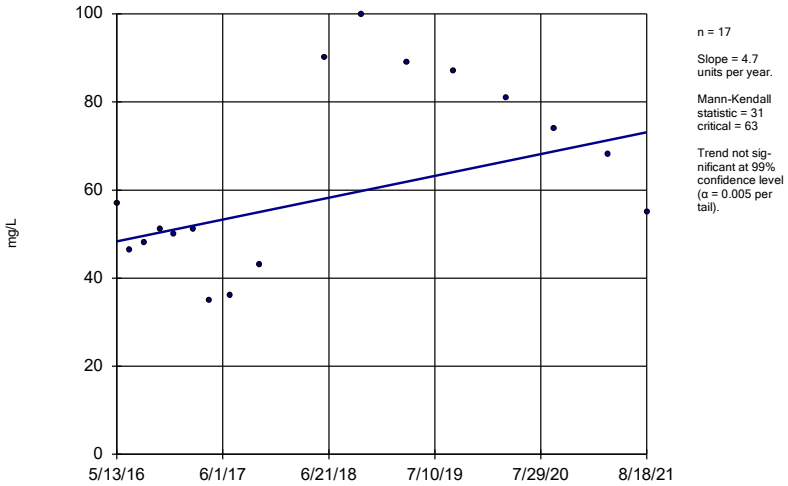
Mann-Kendall statistic = 113 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-18



n = 17

Slope = 4.7 units per year.

Mann-Kendall statistic = 31
critical = 63

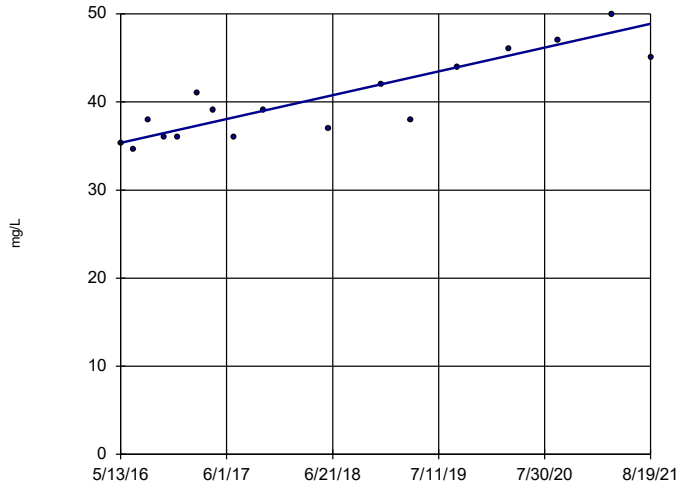
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 17

Slope = 2.56 units per year.

Mann-Kendall statistic = 93
critical = 63

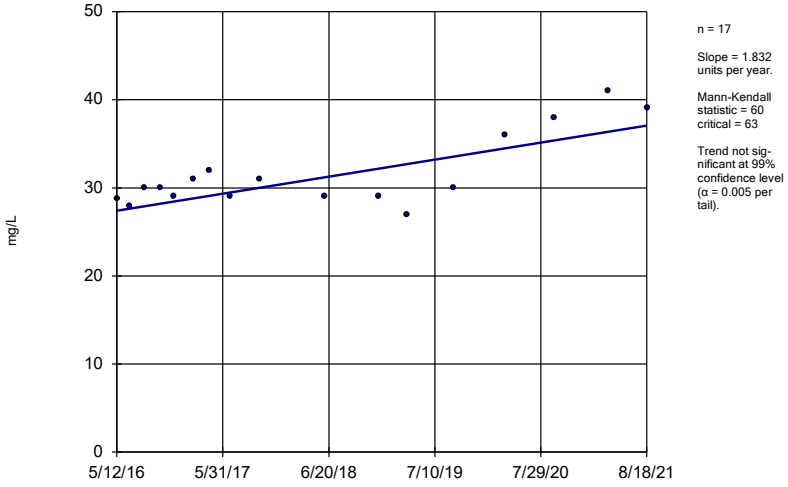
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 17

Slope = 1.832 units per year.

Mann-Kendall statistic = 60
critical = 63

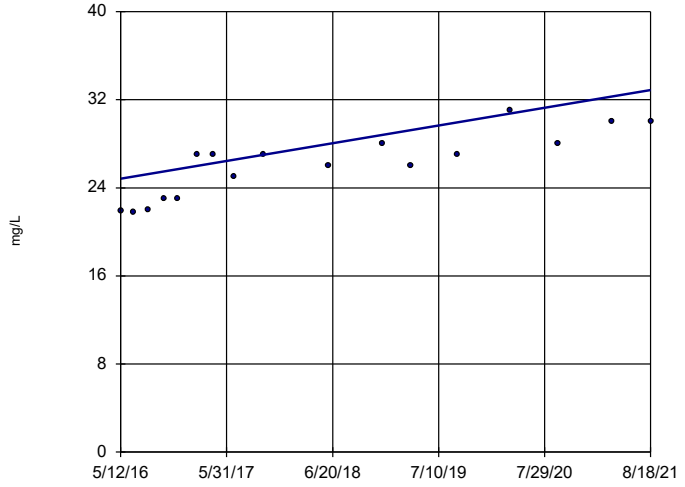
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 17

Slope = 1.525 units per year.

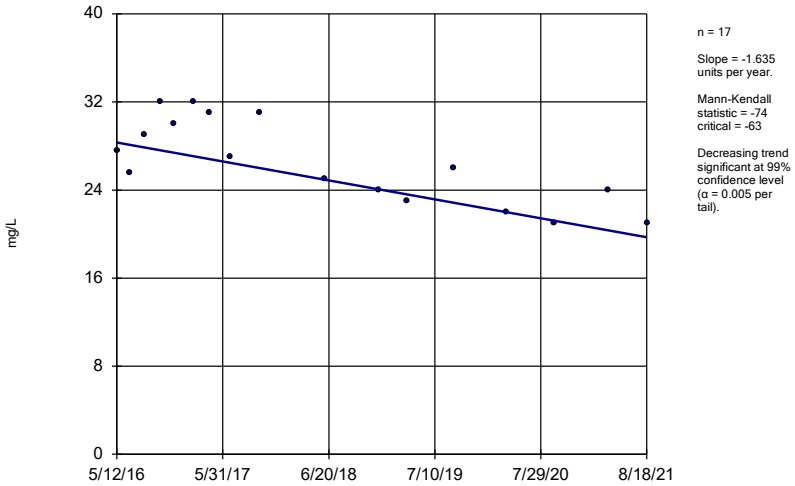
Mann-Kendall statistic = 98
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



n = 17

Slope = -1.635 units per year.

Mann-Kendall statistic = -74
critical = -63

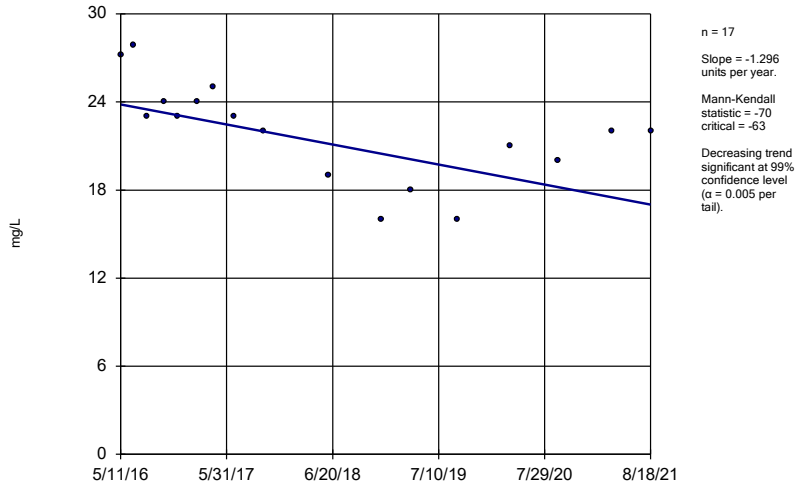
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 17

Slope = -1.296 units per year.

Mann-Kendall statistic = -70
critical = -63

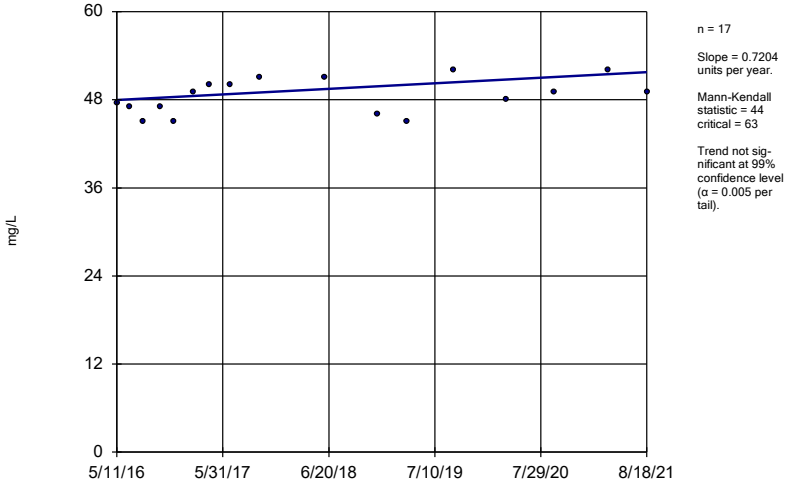
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 17

Slope = 0.7204 units per year.

Mann-Kendall statistic = 44
critical = 63

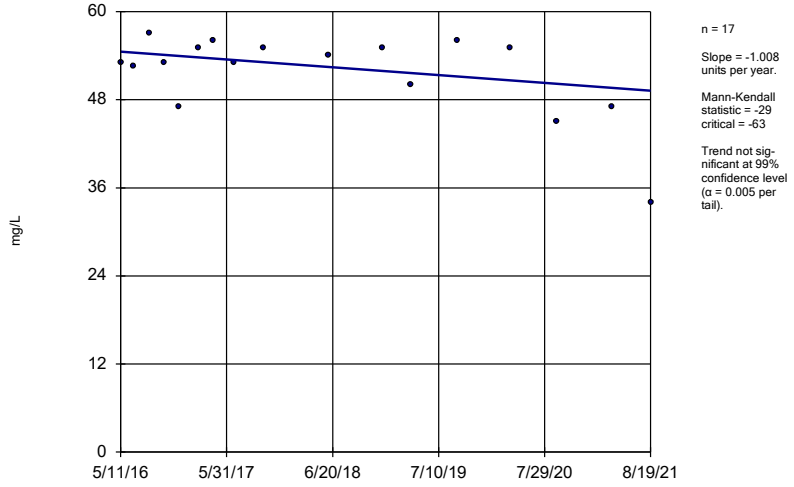
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 17

Slope = -1.008 units per year.

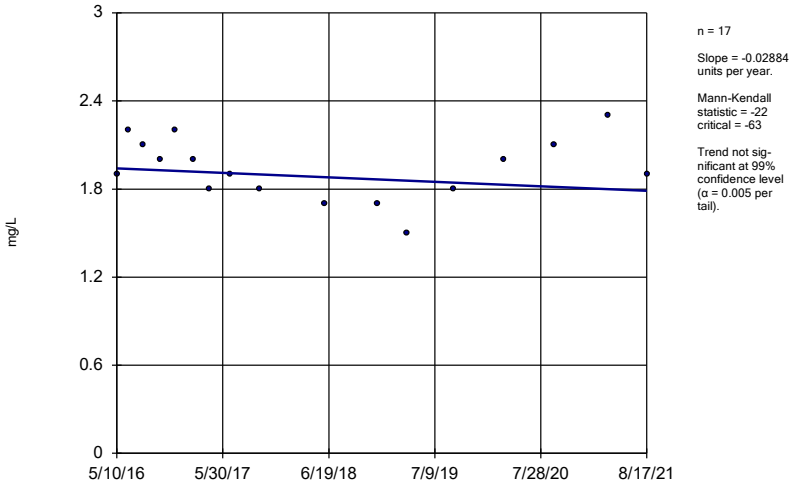
Mann-Kendall statistic = -29
critical = -63

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = -0.02884 units per year.

Mann-Kendall statistic = -22
critical = -63

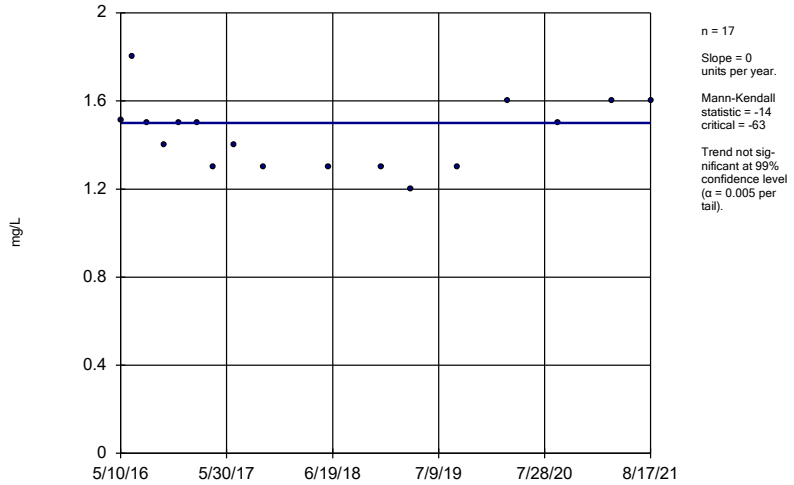
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -14
critical = -63

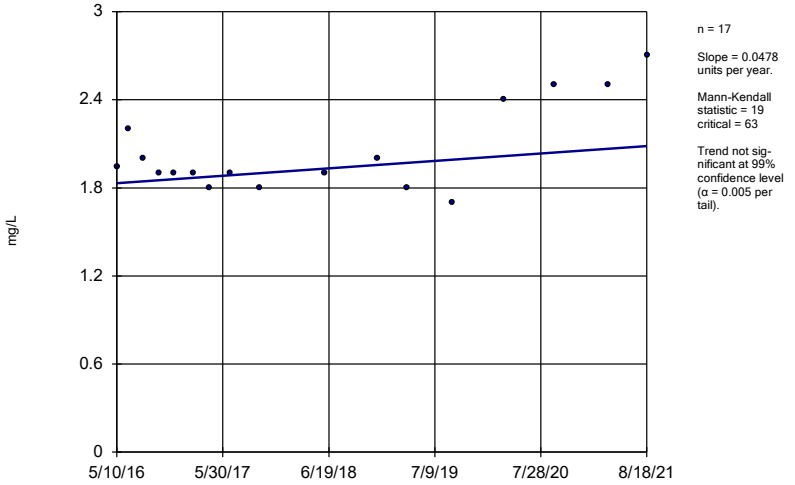
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 17

Slope = 0.0478 units per year.

Mann-Kendall statistic = 19
critical = 63

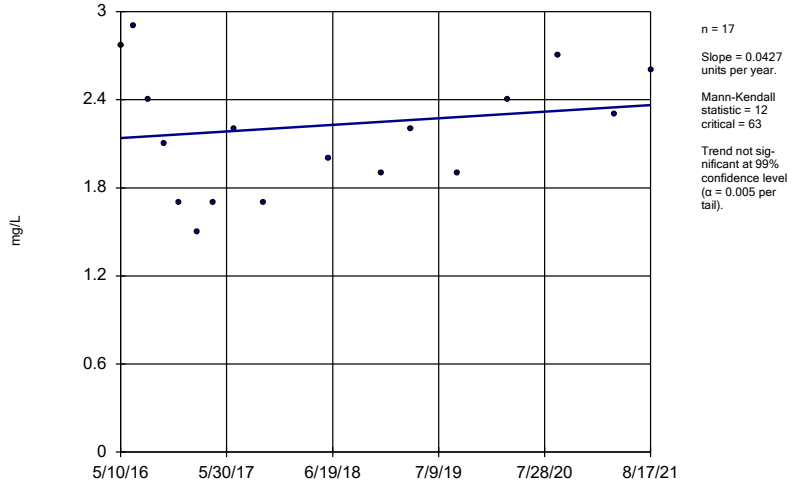
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 17

Slope = 0.0427 units per year.

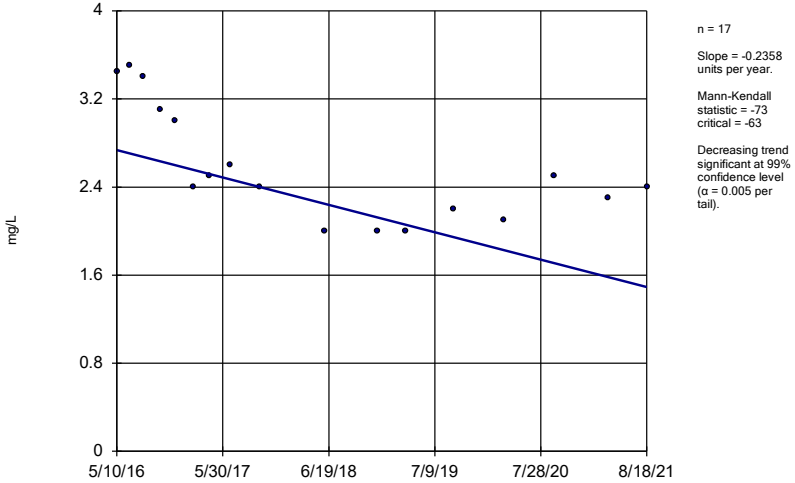
Mann-Kendall statistic = 12
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-3 (bg)



n = 17

Slope = -0.2358 units per year.

Mann-Kendall statistic = -73
critical = -63

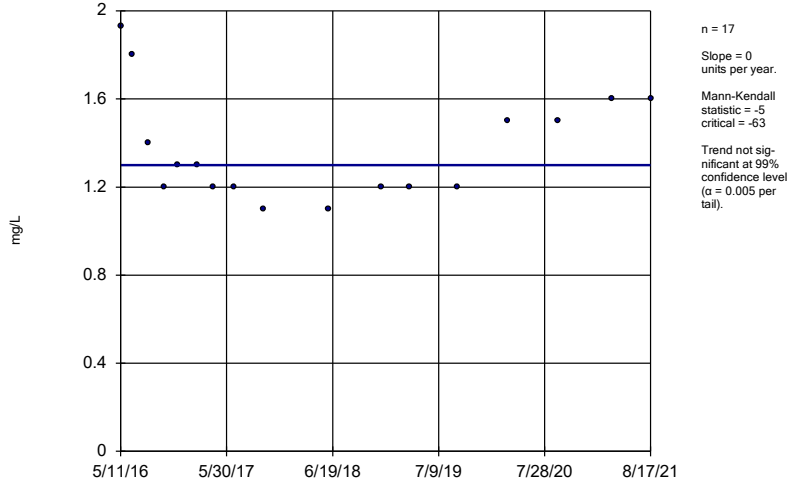
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -63

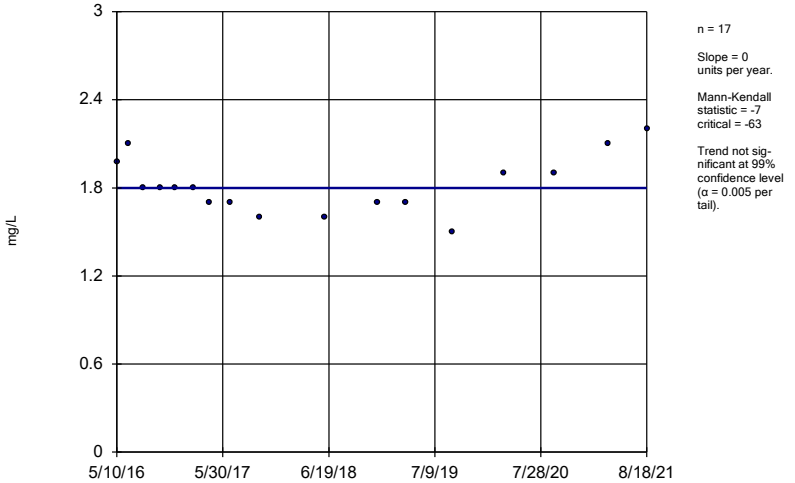
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -63

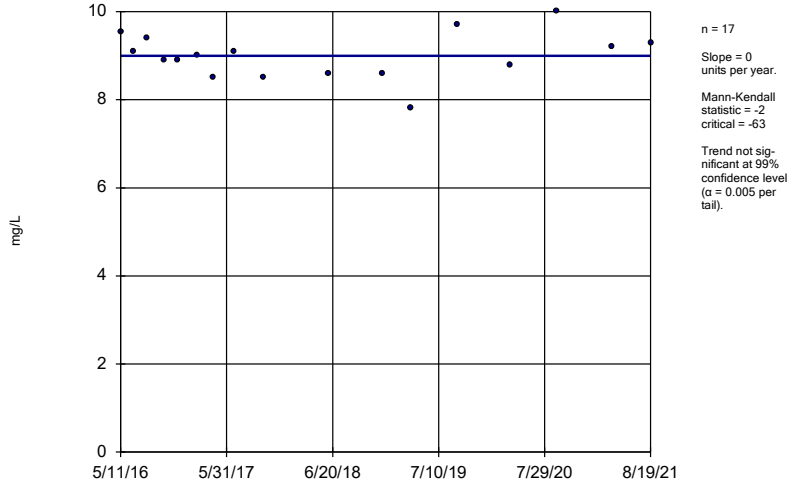
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-10



n = 17

Slope = 0 units per year.

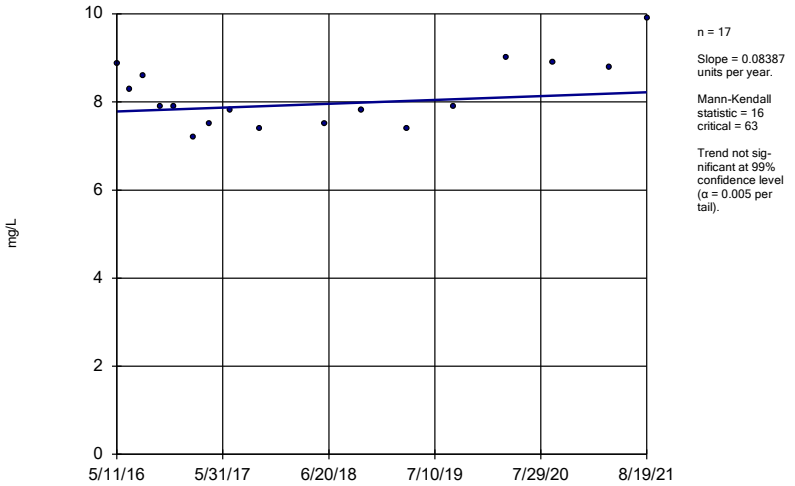
Mann-Kendall statistic = -2
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-11



n = 17

Slope = 0.08387 units per year.

Mann-Kendall statistic = 16
critical = 63

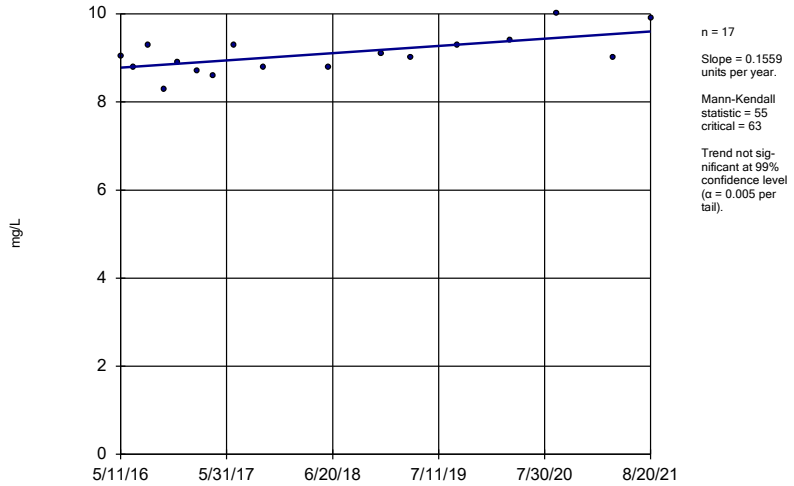
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 17

Slope = 0.1559 units per year.

Mann-Kendall statistic = 55
critical = 63

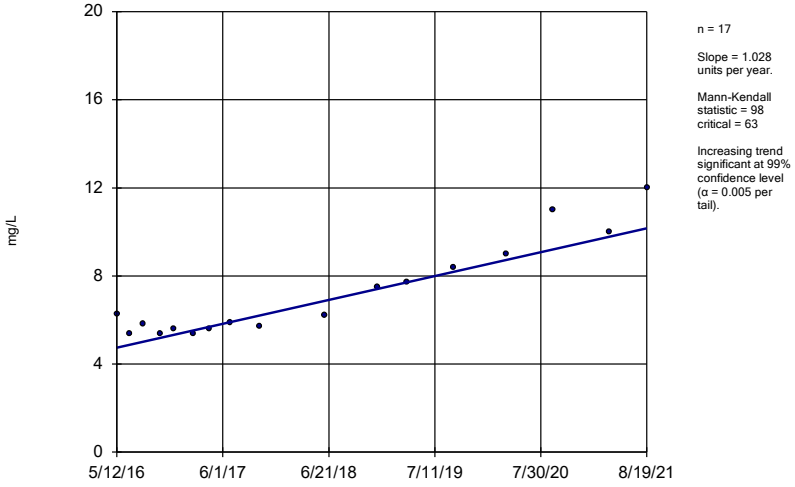
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 17

Slope = 1.028 units per year.

Mann-Kendall statistic = 98
critical = 63

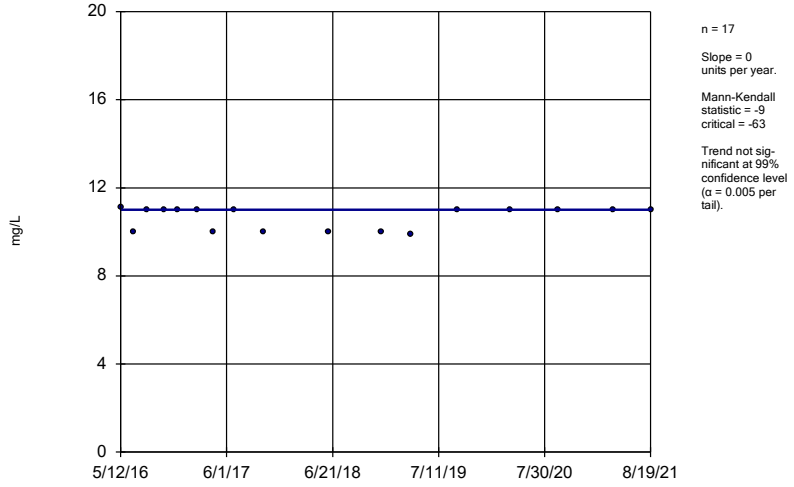
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 17

Slope = 0 units per year.

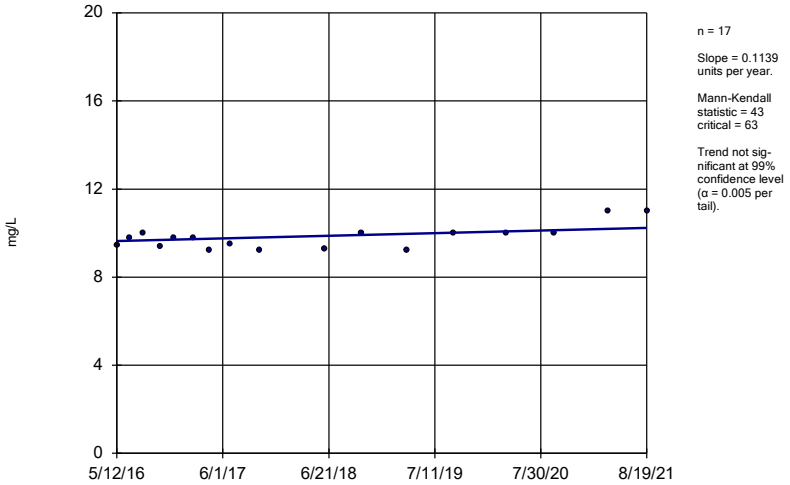
Mann-Kendall statistic = -9
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-15



n = 17

Slope = 0.1139 units per year.

Mann-Kendall statistic = 43
critical = 63

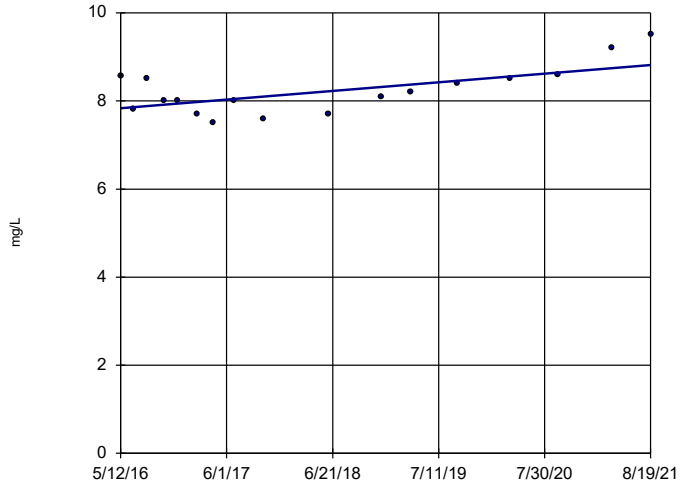
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 17

Slope = 0.1862 units per year.

Mann-Kendall statistic = 53
critical = 63

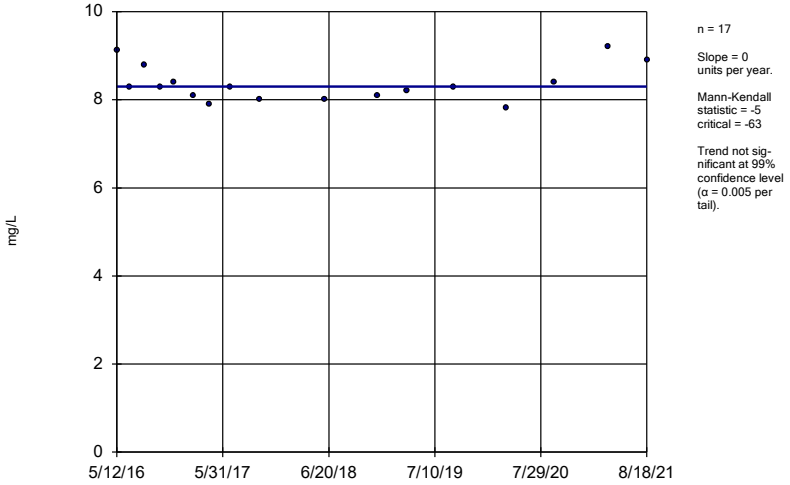
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -63

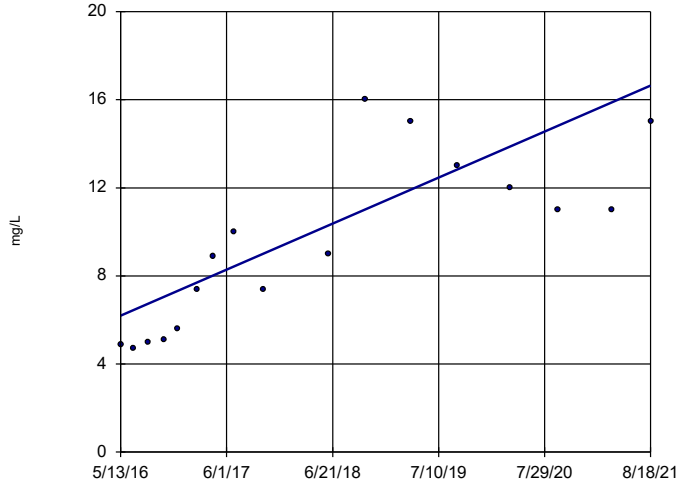
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 17

Slope = 1.983 units per year.

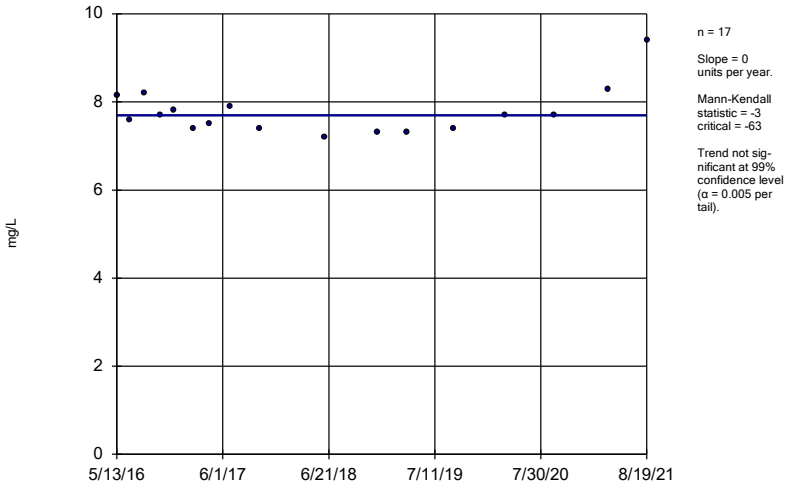
Mann-Kendall statistic = 95
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-19



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

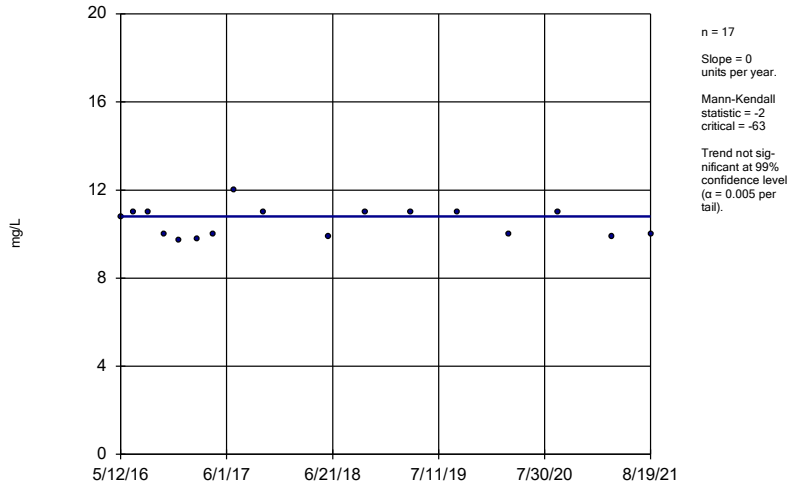
Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -2 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

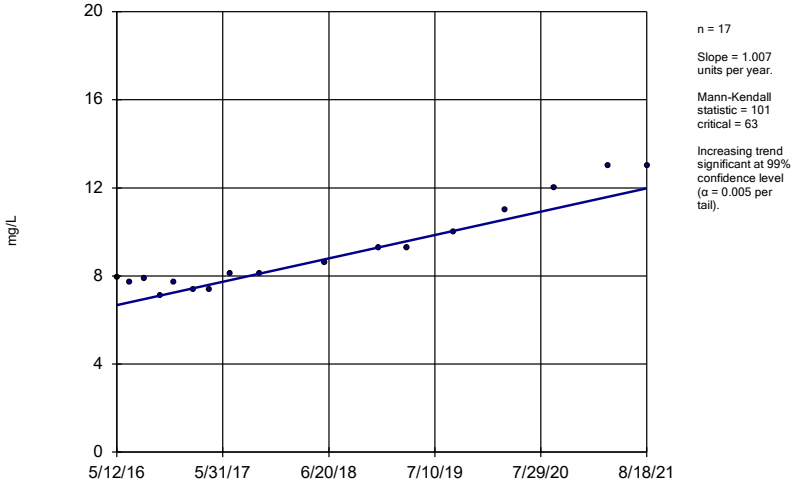
Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 17

Slope = 1.007 units per year.

Mann-Kendall statistic = 101 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

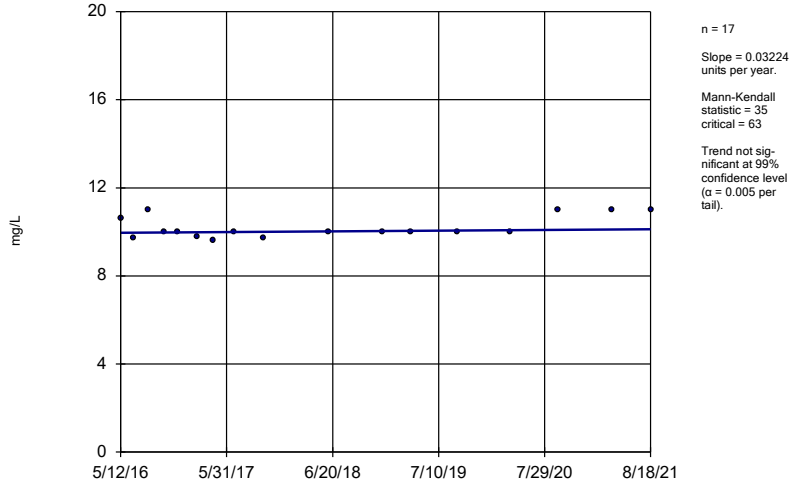
Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 17

Slope = 0.03224 units per year.

Mann-Kendall statistic = 35 critical = 63

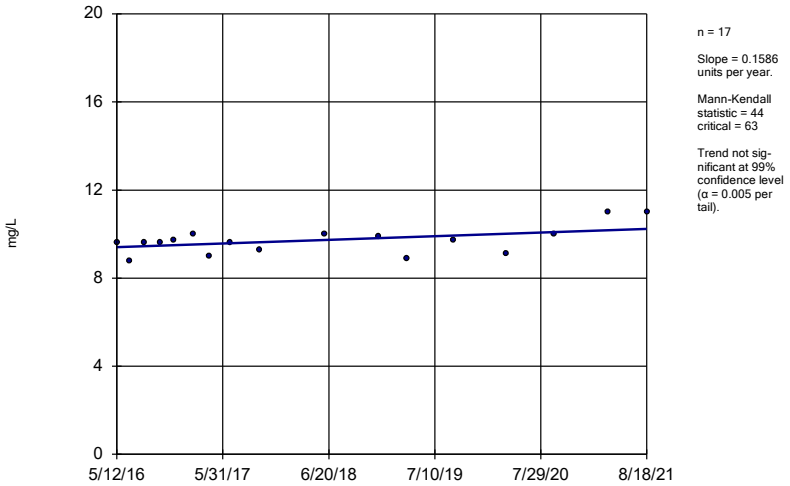
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



n = 17

Slope = 0.1586 units per year.

Mann-Kendall statistic = 44 critical = 63

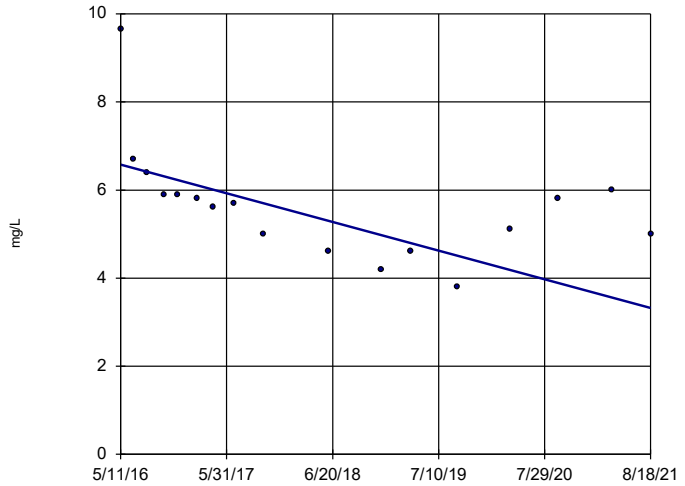
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 17

Slope = -0.6169 units per year.

Mann-Kendall statistic = -70 critical = -63

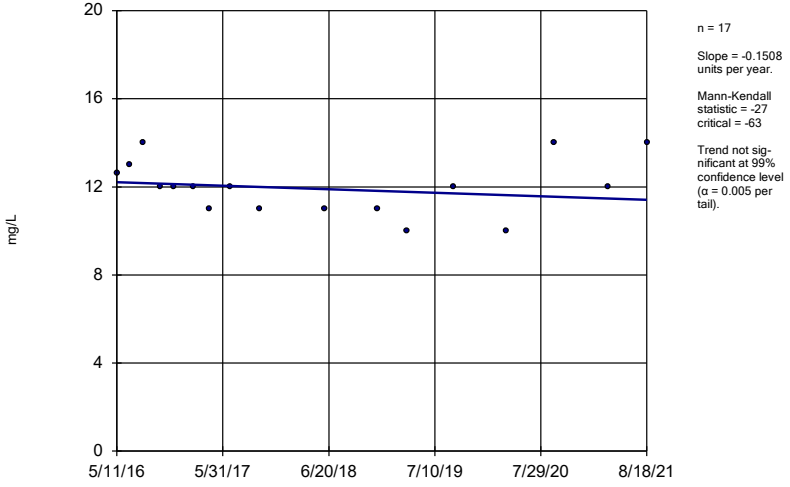
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 17

Slope = -0.1508 units per year.

Mann-Kendall statistic = -27 critical = -63

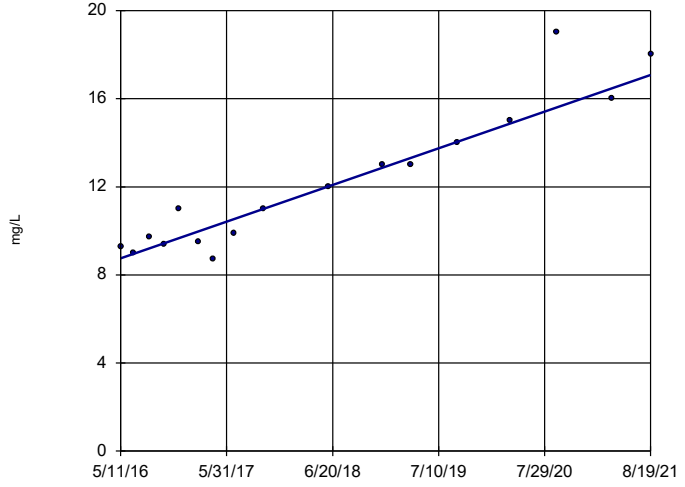
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 17

Slope = 1.578 units per year.

Mann-Kendall statistic = 108 critical = 63

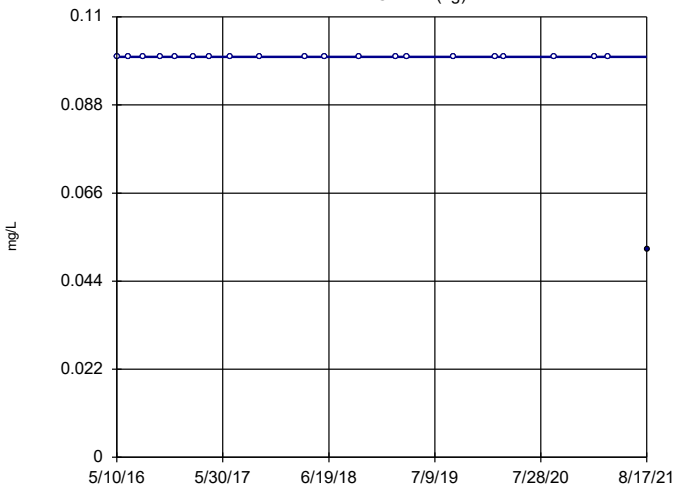
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -20
critical = -87

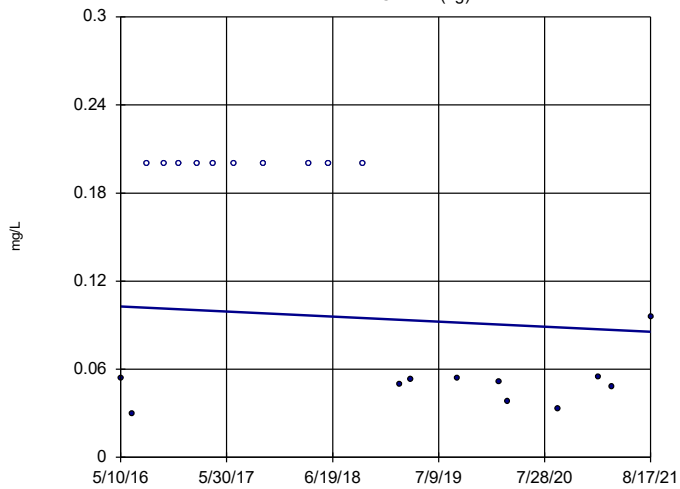
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 21

Slope = -0.003284 units per year.

Mann-Kendall statistic = -61
critical = -87

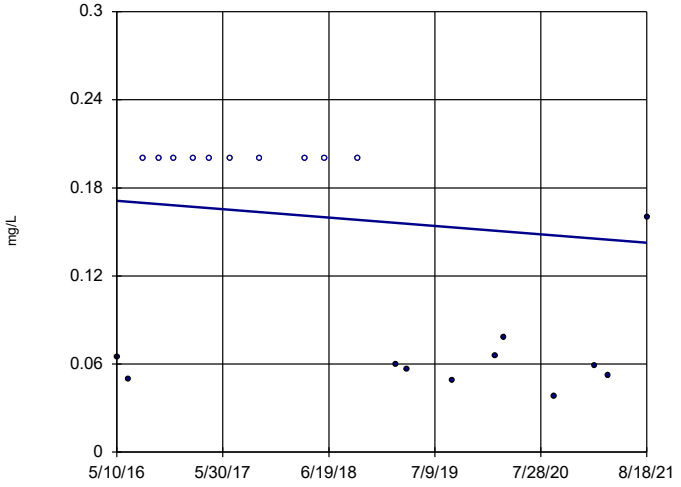
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 21

Slope = -0.005442 units per year.

Mann-Kendall statistic = -65
critical = -87

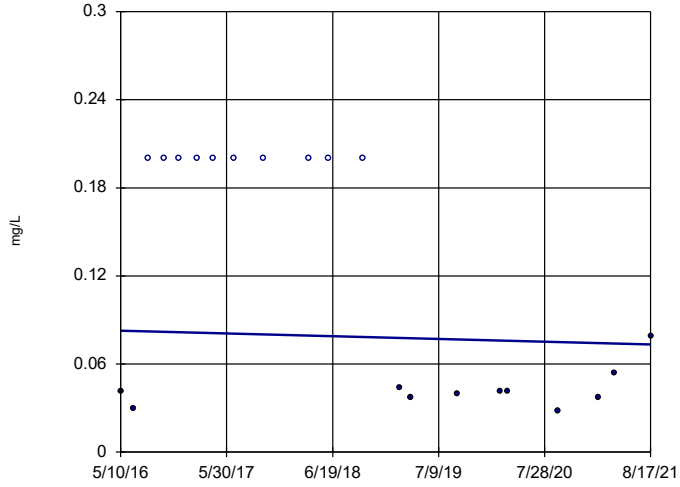
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 21

Slope = -0.001763 units per year.

Mann-Kendall statistic = -57
critical = -87

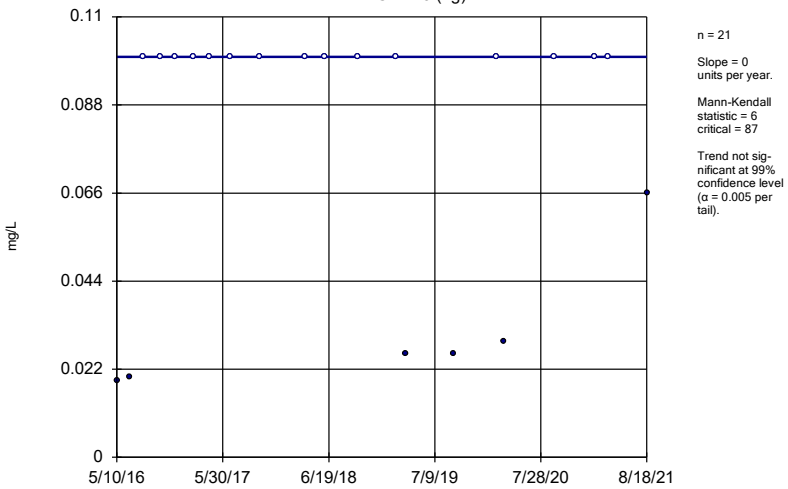
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 87

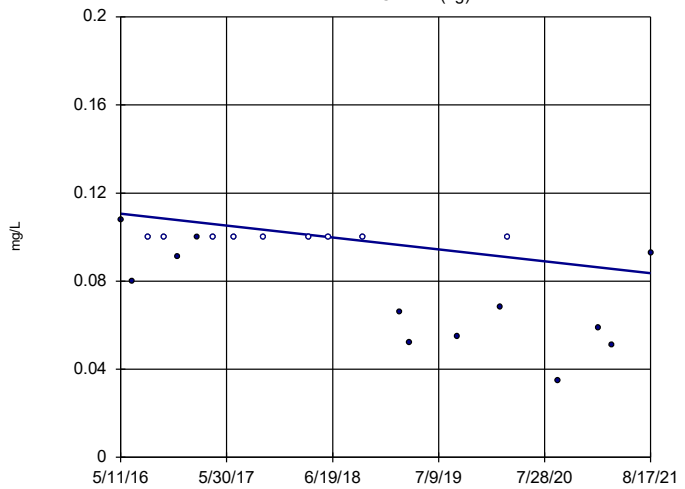
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 21

Slope = -0.005108 units per year.

Mann-Kendall statistic = -85
critical = -87

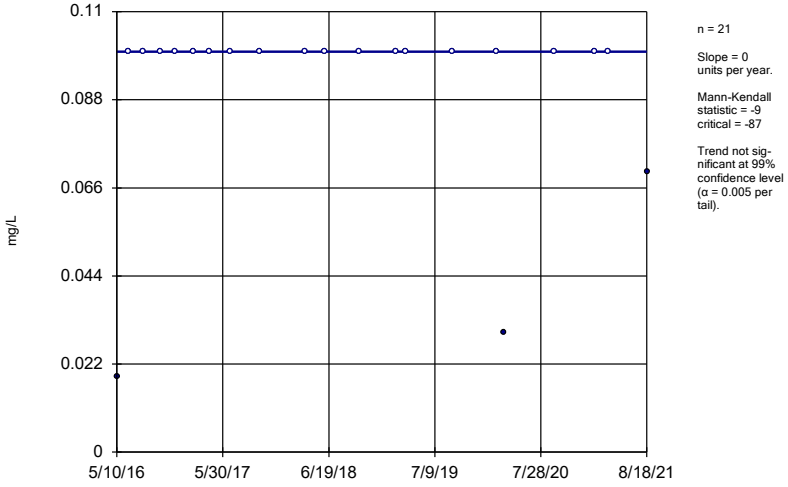
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -87

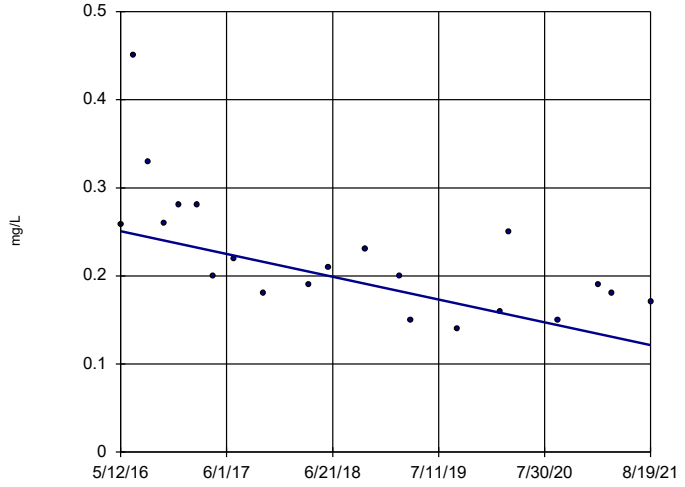
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 21

Slope = -0.02455 units per year.

Mann-Kendall statistic = -115
critical = -87

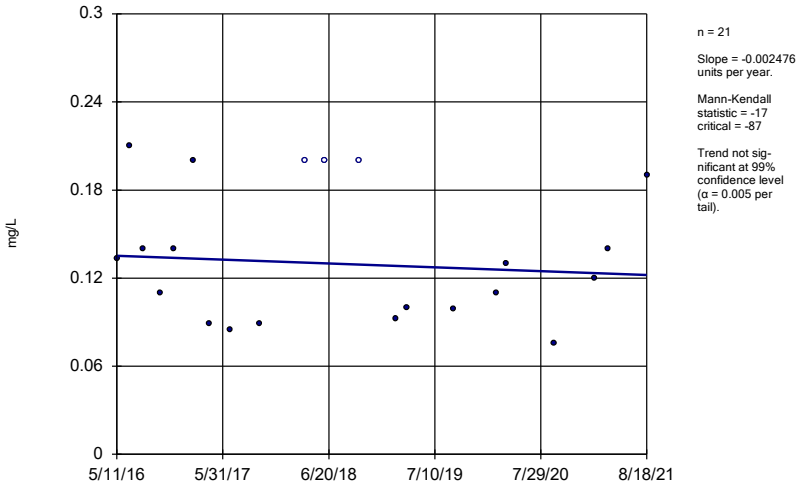
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-6



n = 21

Slope = -0.002476 units per year.

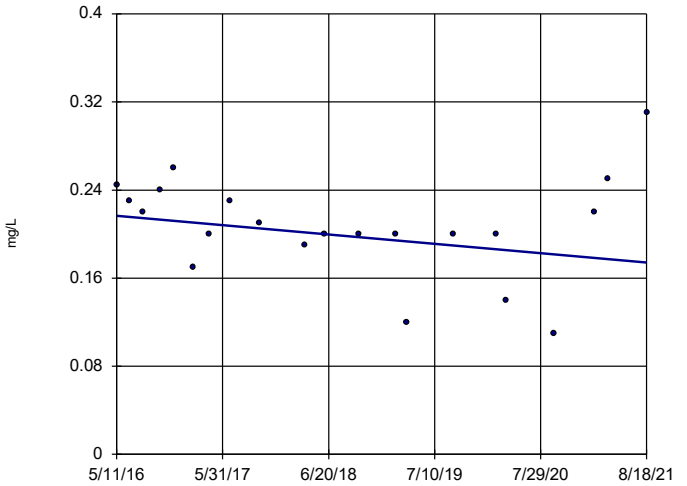
Mann-Kendall statistic = -17
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-7



n = 21

Slope = -0.008094 units per year.

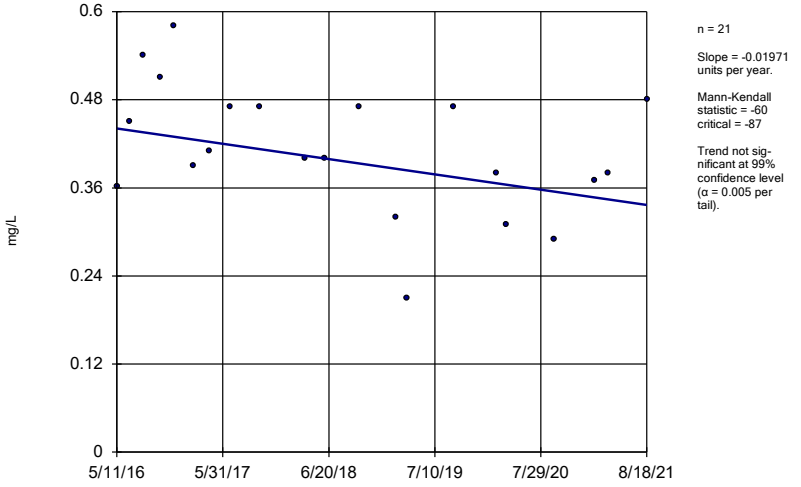
Mann-Kendall statistic = -41
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-8



n = 21

Slope = -0.01971 units per year.

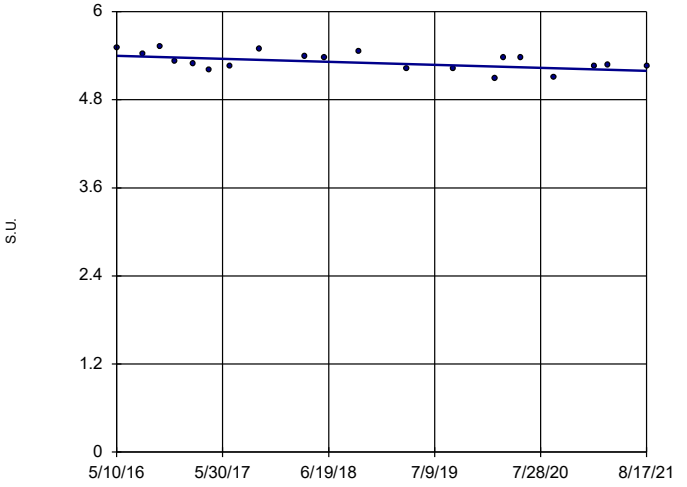
Mann-Kendall statistic = -60
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-1 (bg)



n = 20

Slope = -0.03893 units per year.

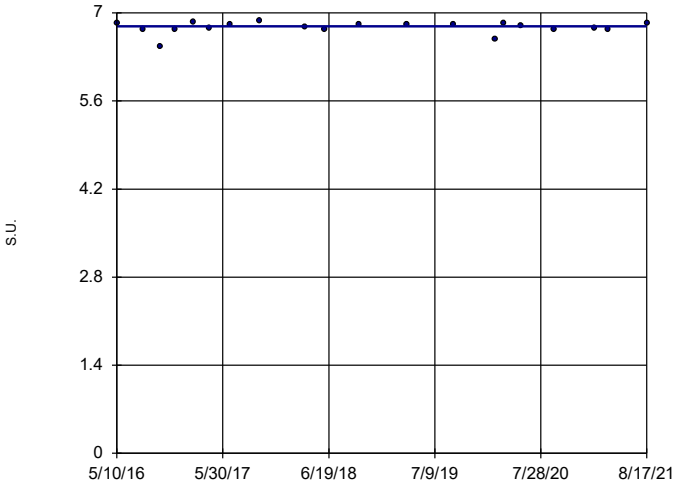
Mann-Kendall statistic = -69
critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-2 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

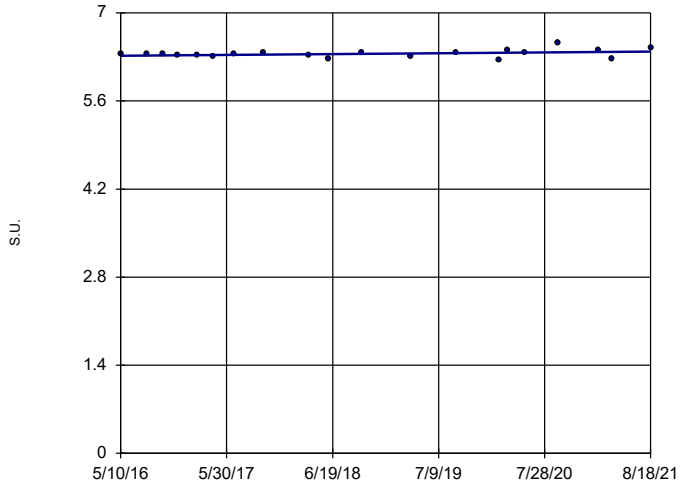
Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 20

Slope = 0.01239 units per year.

Mann-Kendall statistic = 41 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

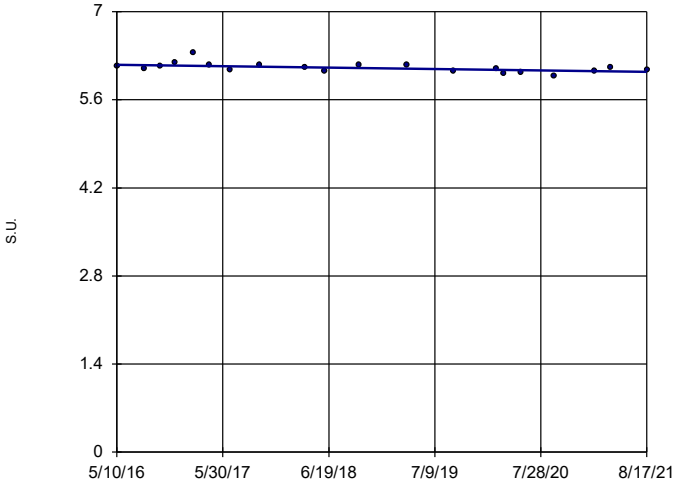
Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 20

Slope = -0.02115 units per year.

Mann-Kendall statistic = -78 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

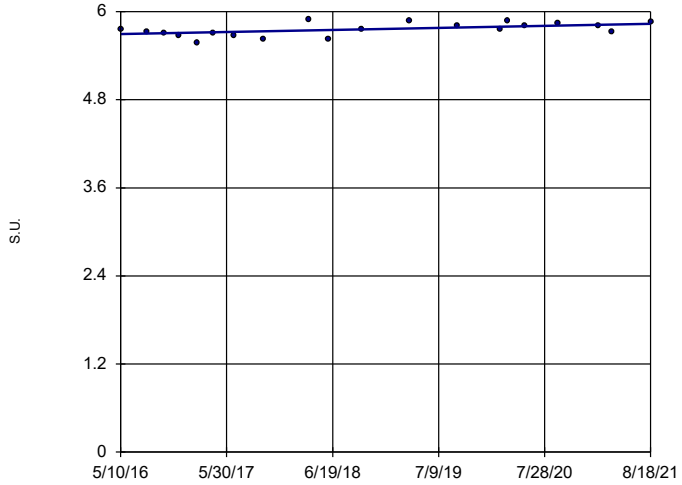
Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 20

Slope = 0.02594 units per year.

Mann-Kendall statistic = 58 critical = 81

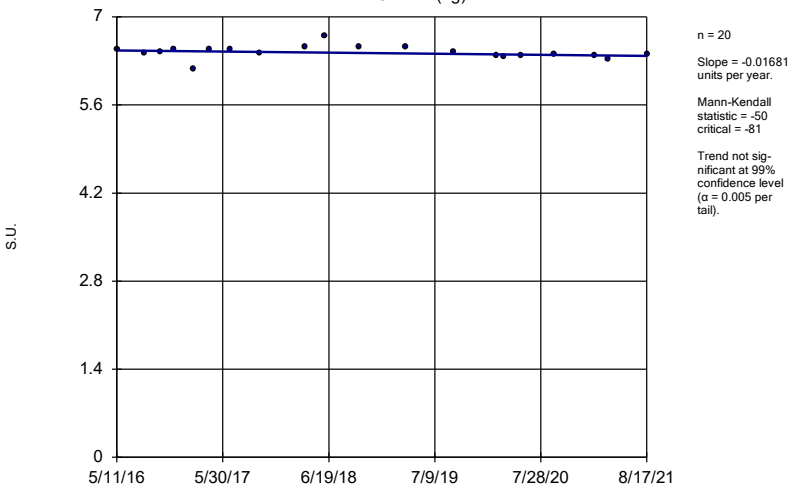
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-4 (bg)



n = 20

Slope = -0.01681 units per year.

Mann-Kendall statistic = -50
critical = -81

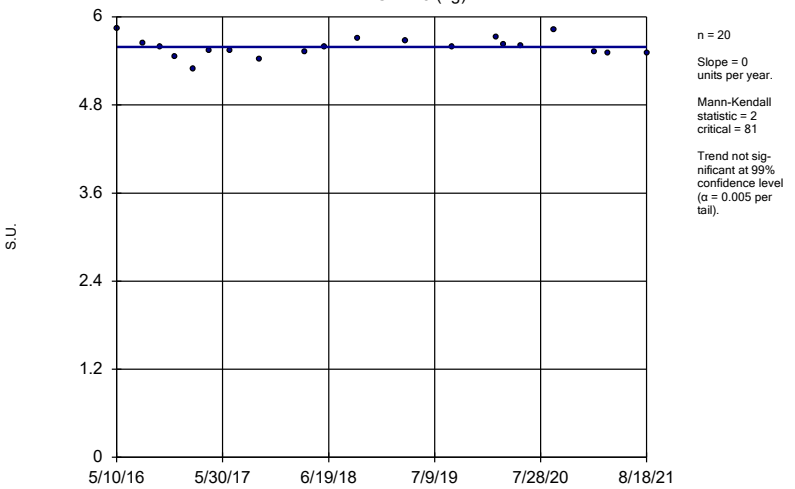
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 2
critical = 81

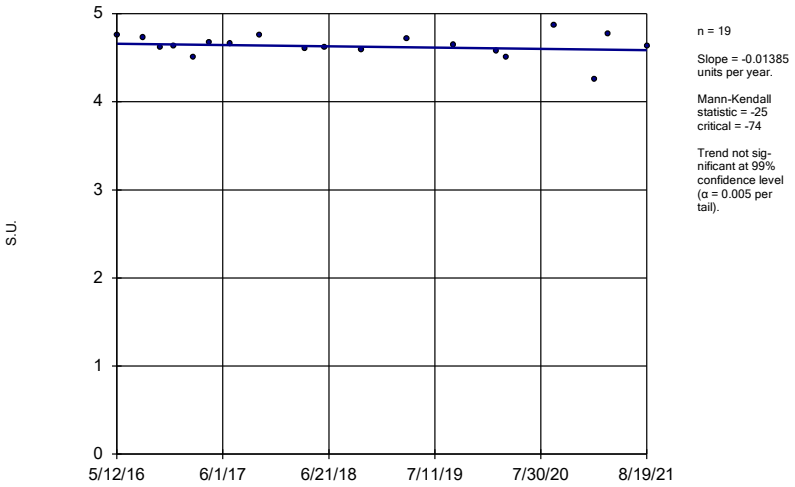
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 19

Slope = -0.01385 units per year.

Mann-Kendall statistic = -25
critical = -74

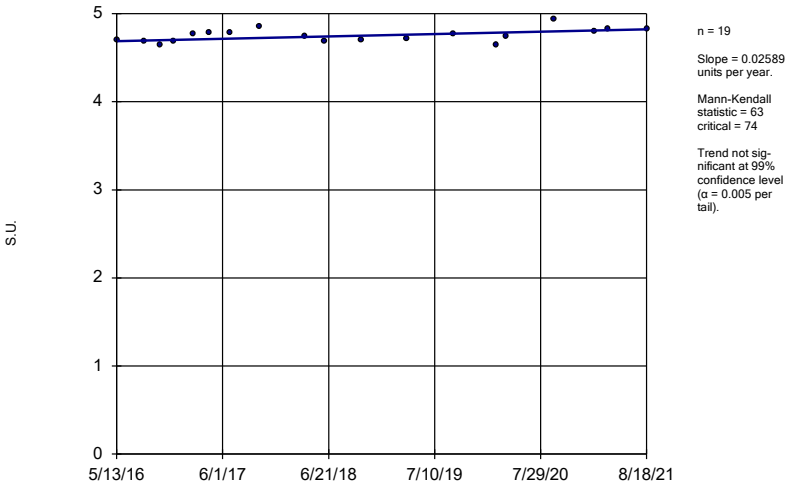
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 19

Slope = 0.02589 units per year.

Mann-Kendall statistic = 63
critical = 74

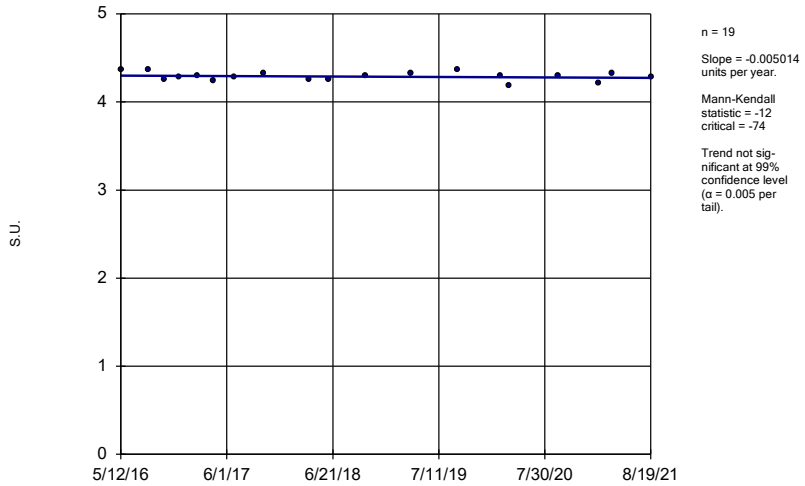
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:16 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 19

Slope = -0.005014 units per year.

Mann-Kendall statistic = -12 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

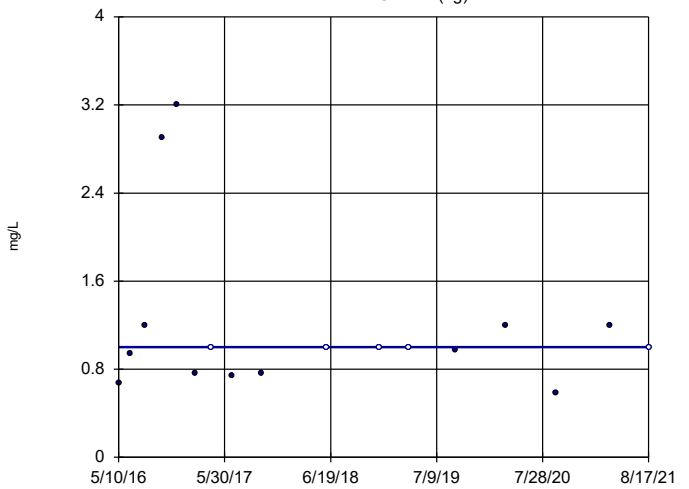
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

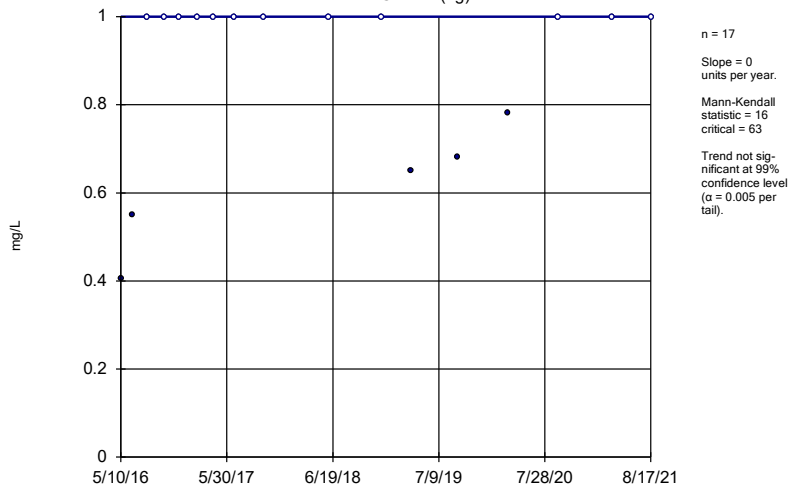
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 16 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

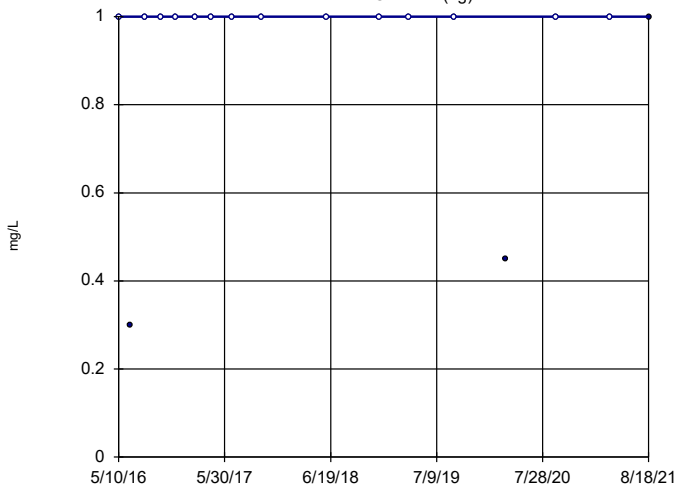
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

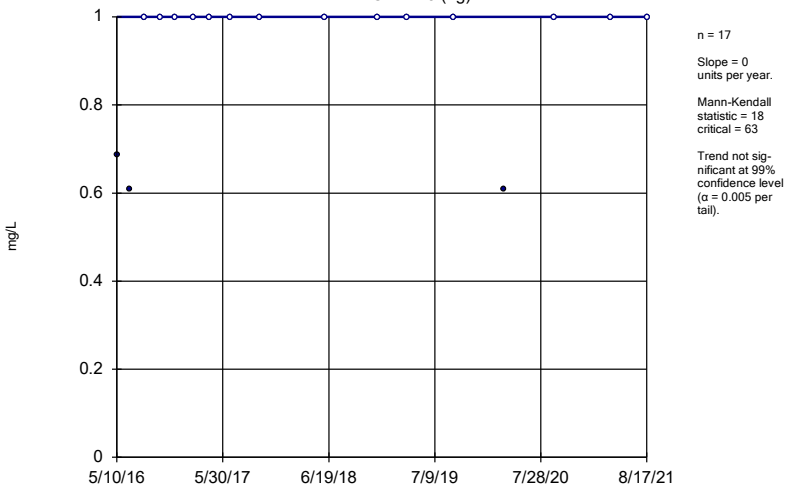
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 63

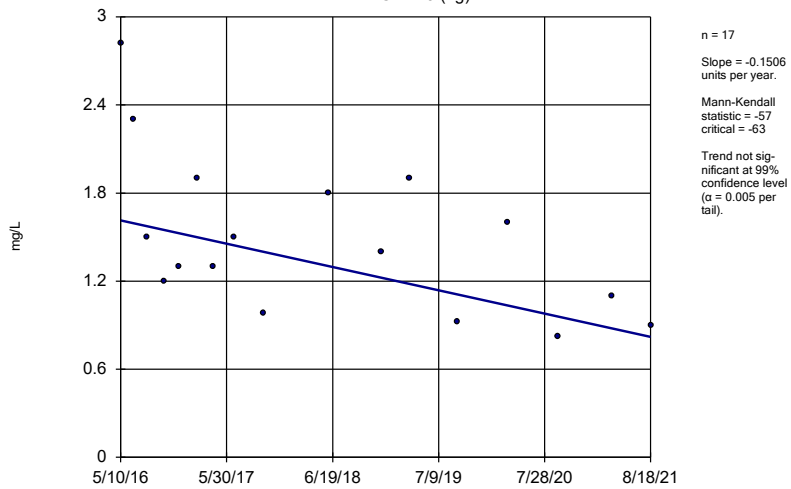
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 17

Slope = -0.1506 units per year.

Mann-Kendall statistic = -57
critical = -63

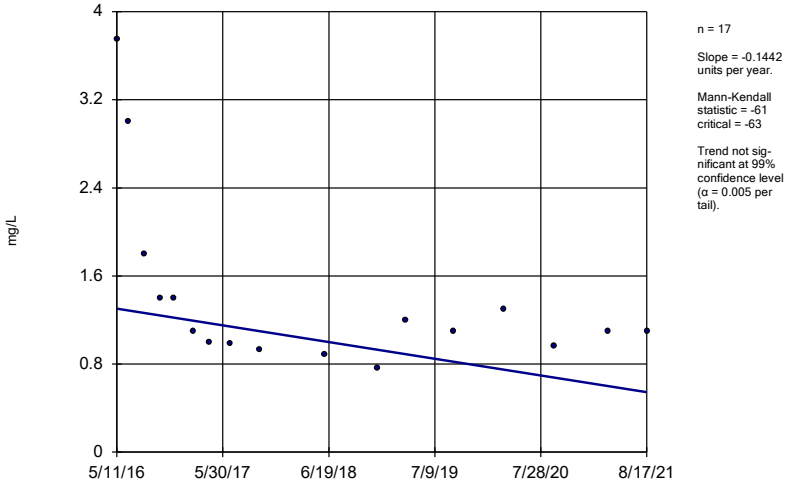
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 17

Slope = -0.1442 units per year.

Mann-Kendall statistic = -61
critical = -63

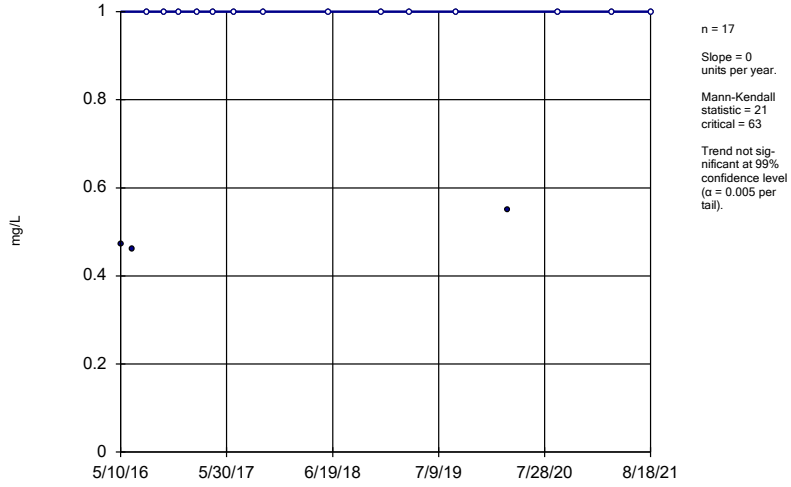
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 17

Slope = 0 units per year.

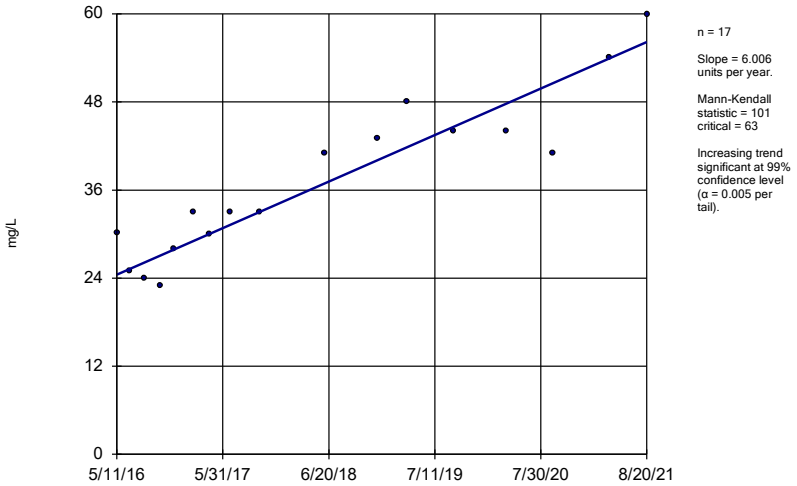
Mann-Kendall statistic = 21
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-12



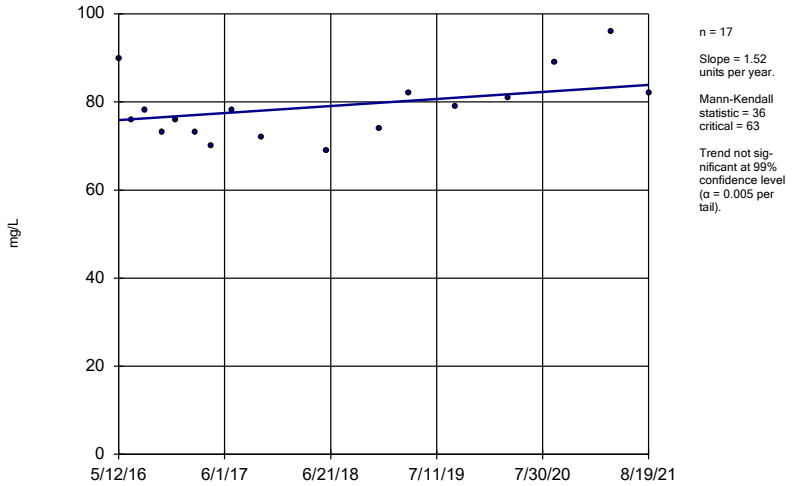
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



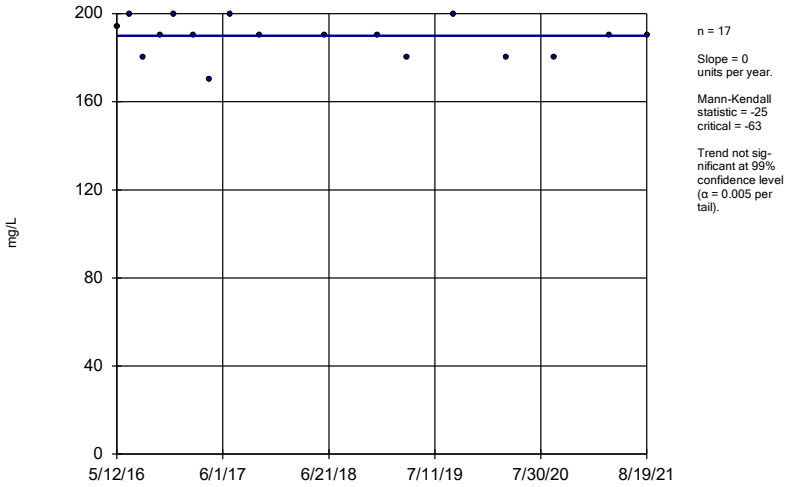
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



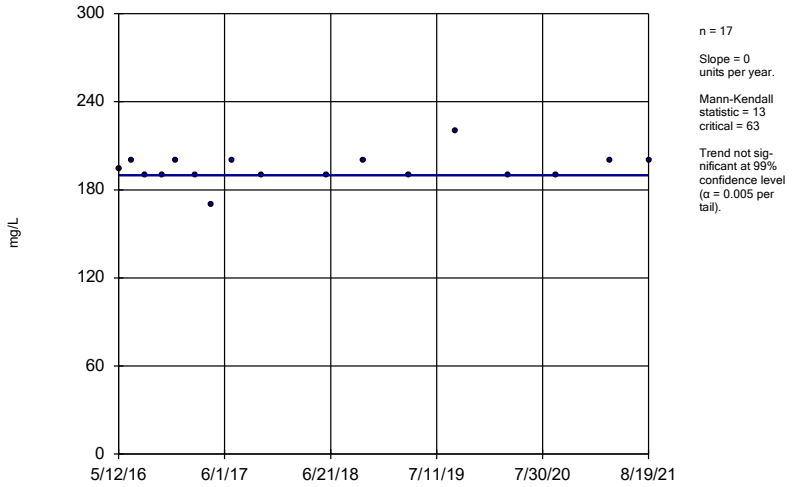
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15

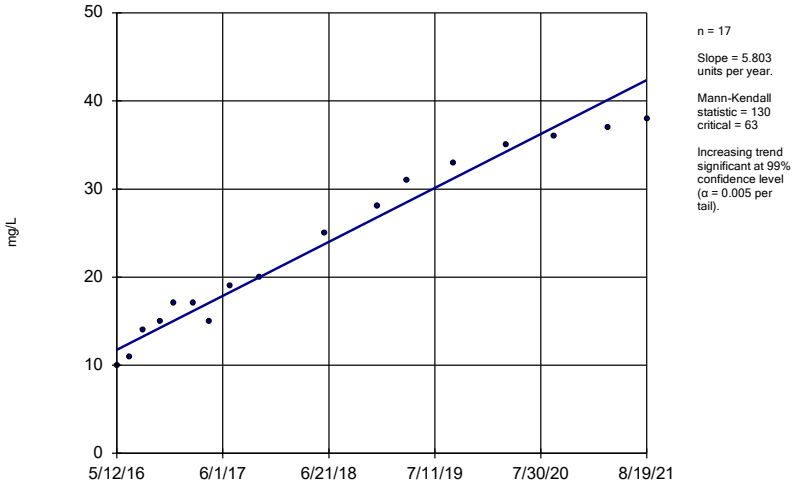


Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-16



n = 17

Slope = 5.803 units per year.

Mann-Kendall statistic = 130 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

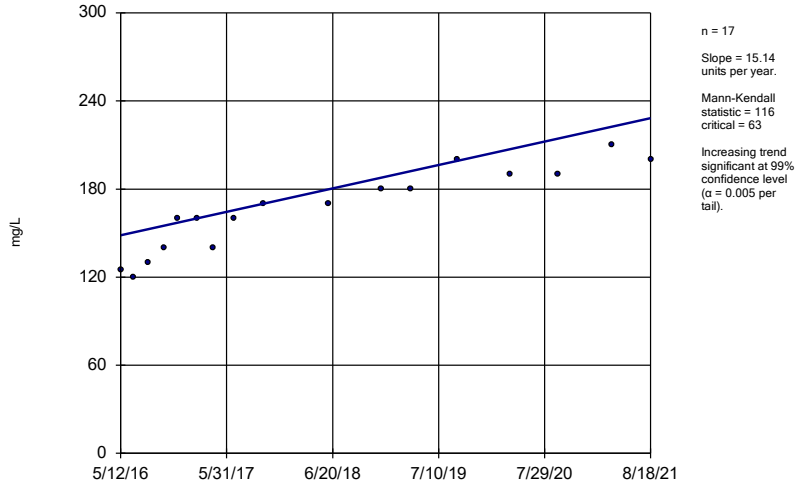
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 17

Slope = 15.14 units per year.

Mann-Kendall statistic = 116 critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

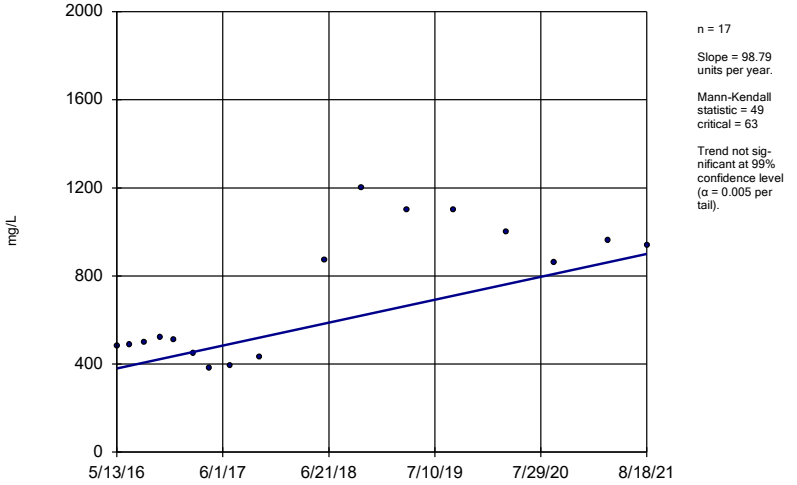
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 17

Slope = 98.79 units per year.

Mann-Kendall statistic = 49 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

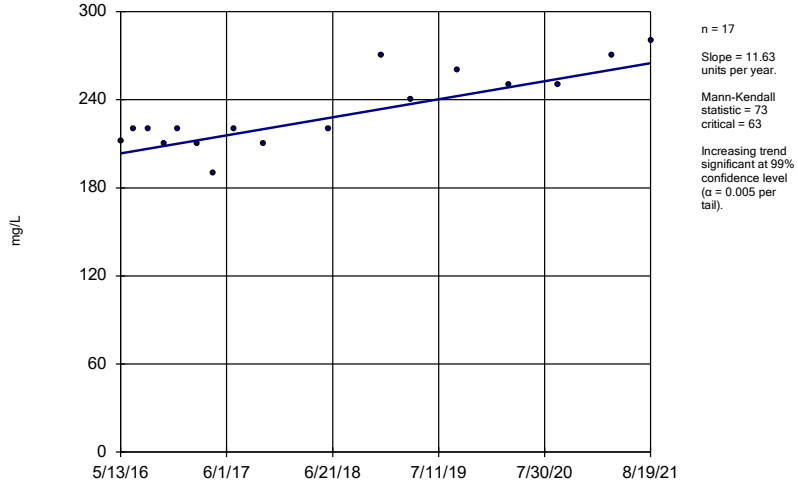
Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 17

Slope = 11.63 units per year.

Mann-Kendall statistic = 73 critical = 63

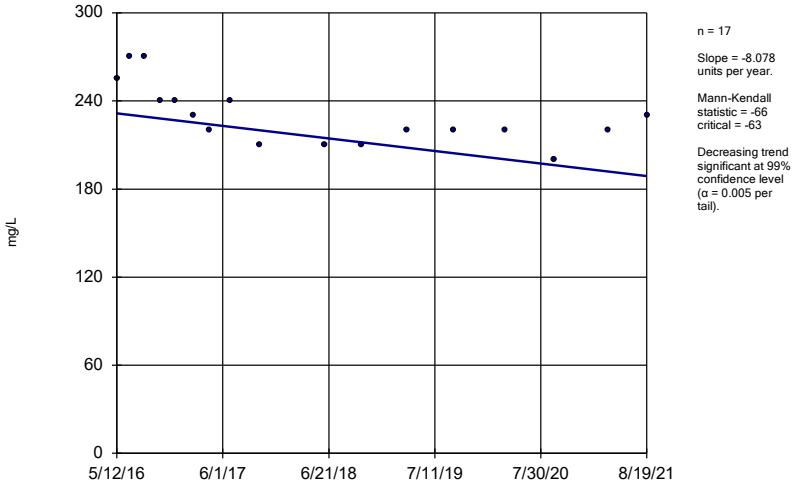
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-20



n = 17

Slope = -8.078 units per year.

Mann-Kendall statistic = -66
critical = -63

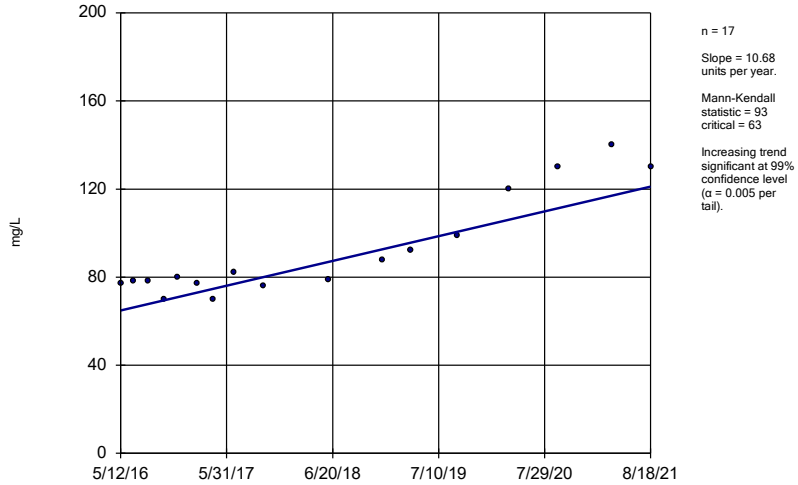
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 17

Slope = 10.68 units per year.

Mann-Kendall statistic = 93
critical = 63

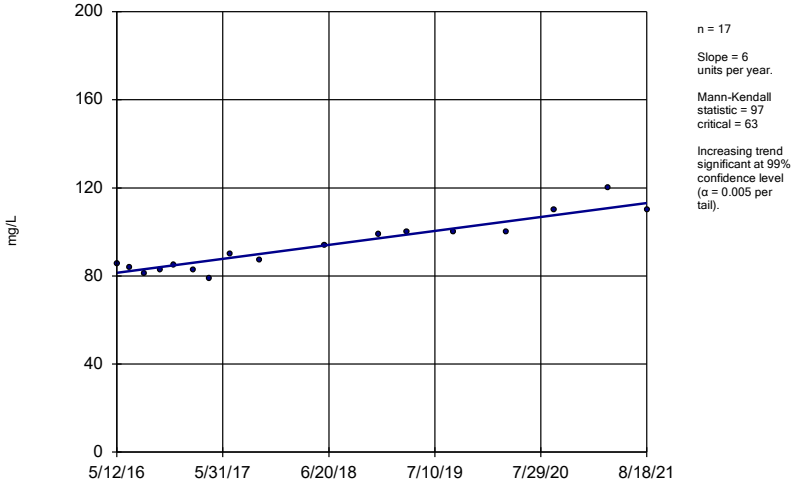
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 17

Slope = 6 units per year.

Mann-Kendall statistic = 97
critical = 63

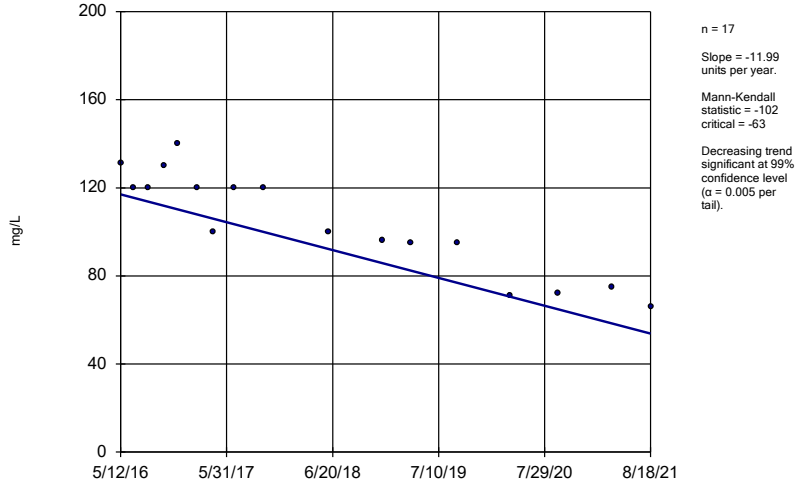
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 17

Slope = -11.99 units per year.

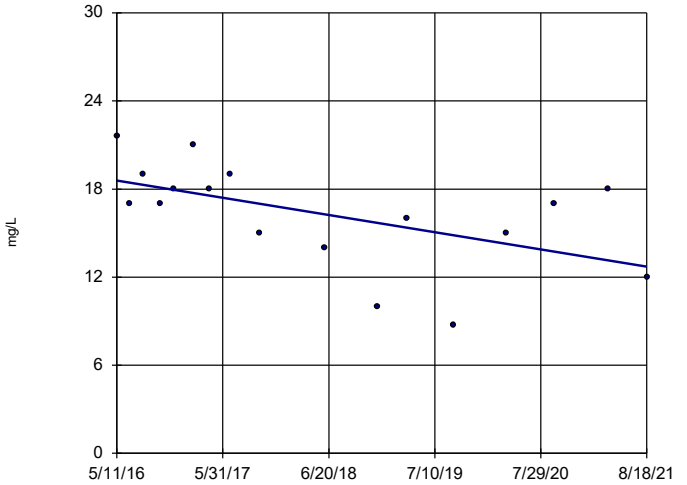
Mann-Kendall statistic = -102
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-7



n = 17

Slope = -1.112 units per year.

Mann-Kendall statistic = -56
critical = -63

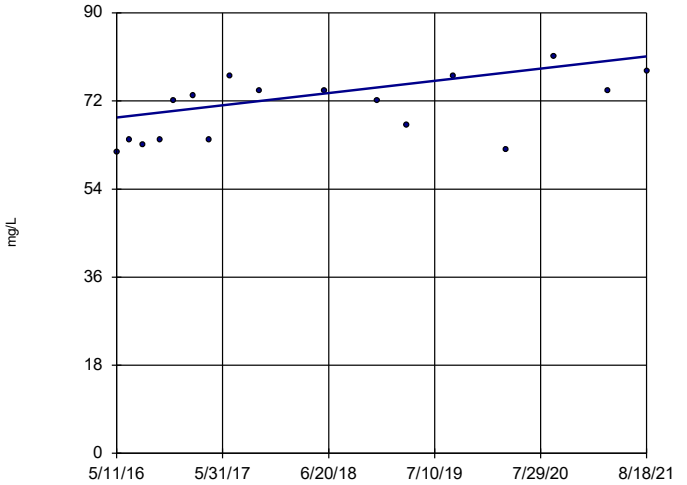
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 17

Slope = 2.367 units per year.

Mann-Kendall statistic = 66
critical = 63

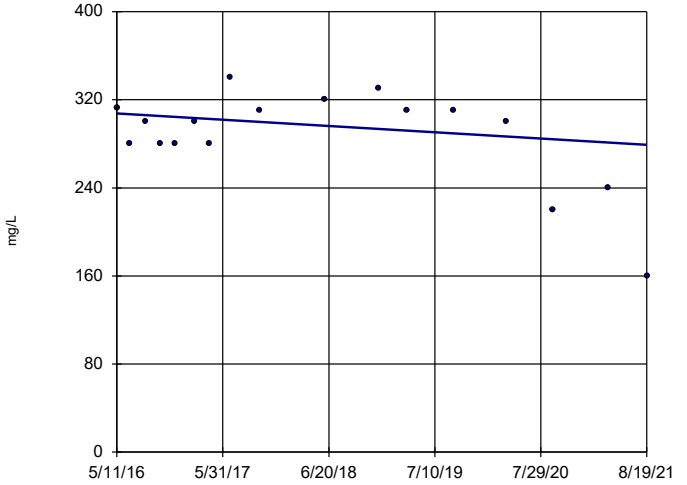
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 17

Slope = -5.431 units per year.

Mann-Kendall statistic = -22
critical = -63

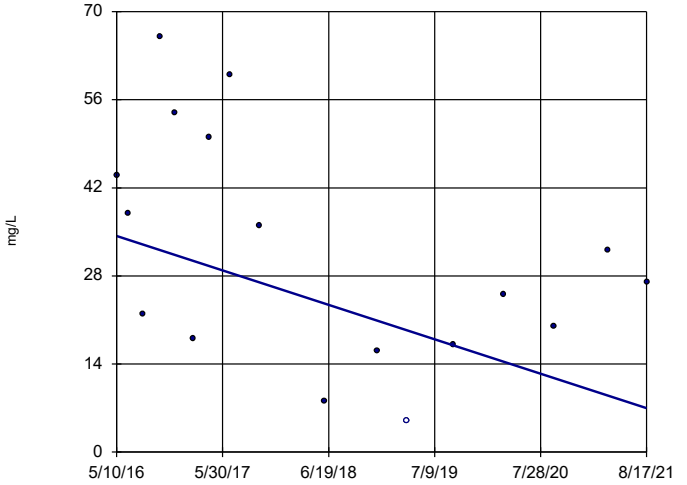
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = -5.191 units per year.

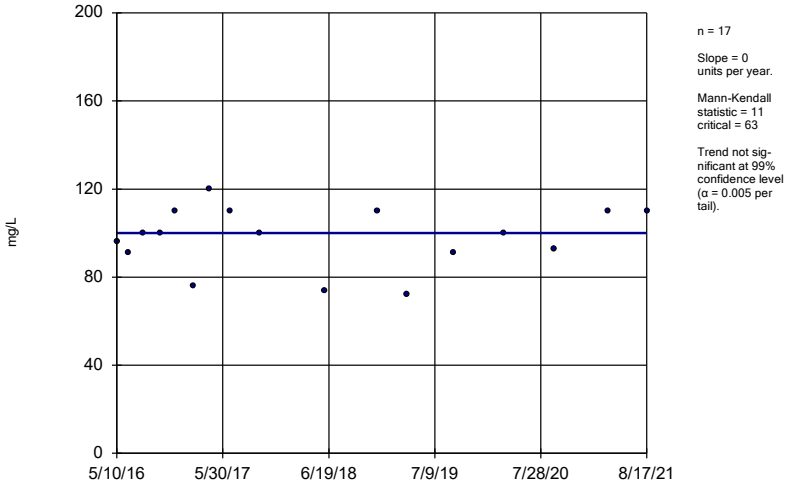
Mann-Kendall statistic = -38
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-2 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

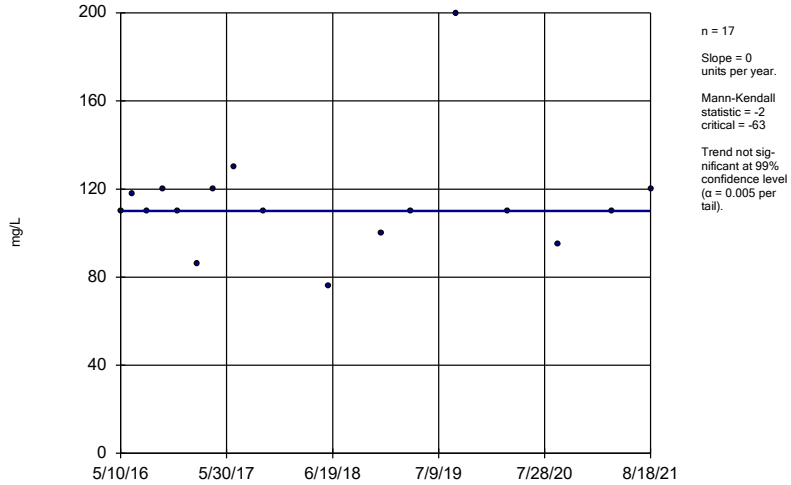
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -2 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

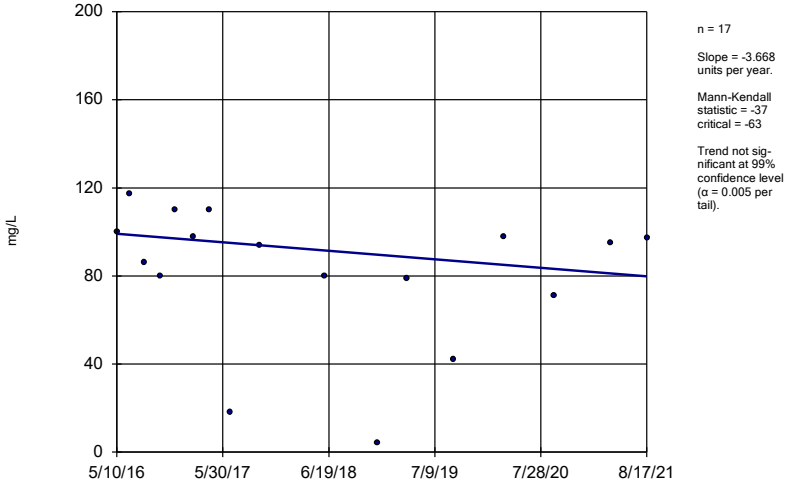
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 17

Slope = -3.668 units per year.

Mann-Kendall statistic = -37 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

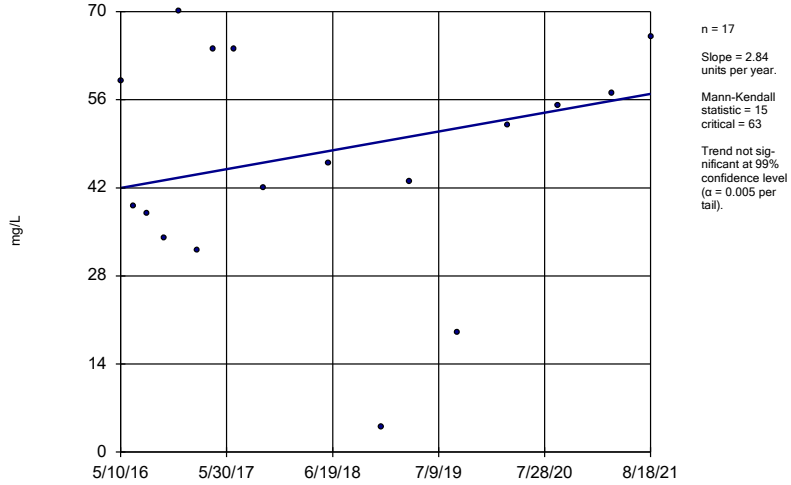
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 17

Slope = 2.84 units per year.

Mann-Kendall statistic = 15 critical = 63

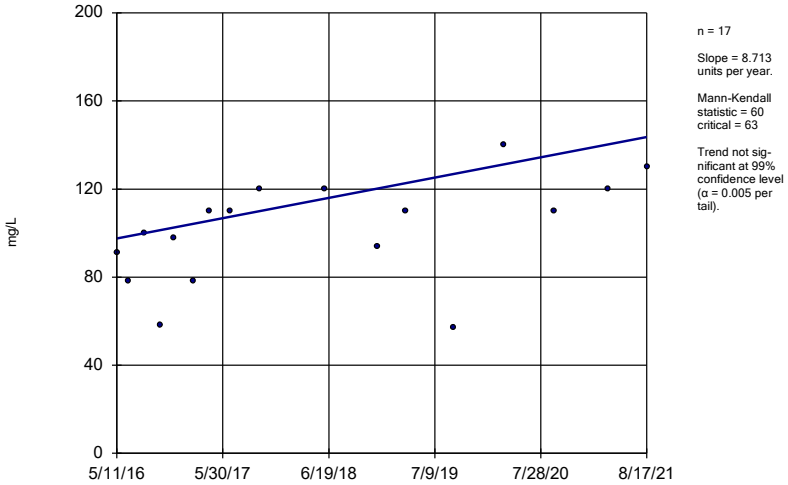
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-4 (bg)



n = 17

Slope = 8.713 units per year.

Mann-Kendall statistic = 60 critical = 63

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

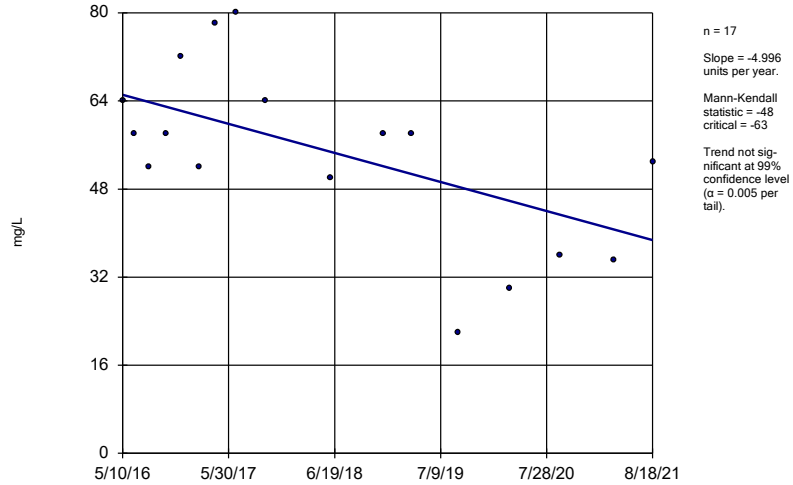
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 17

Slope = -4.996 units per year.

Mann-Kendall statistic = -48 critical = -63

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

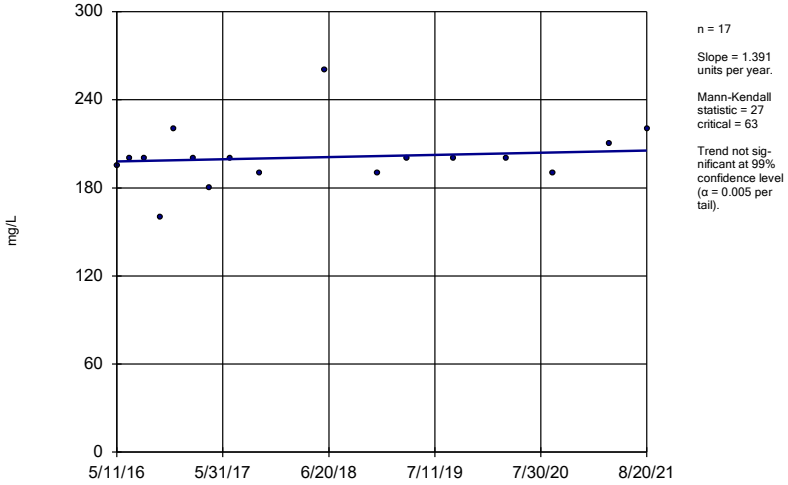
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 17

Slope = 1.391 units per year.

Mann-Kendall statistic = 27 critical = 63

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

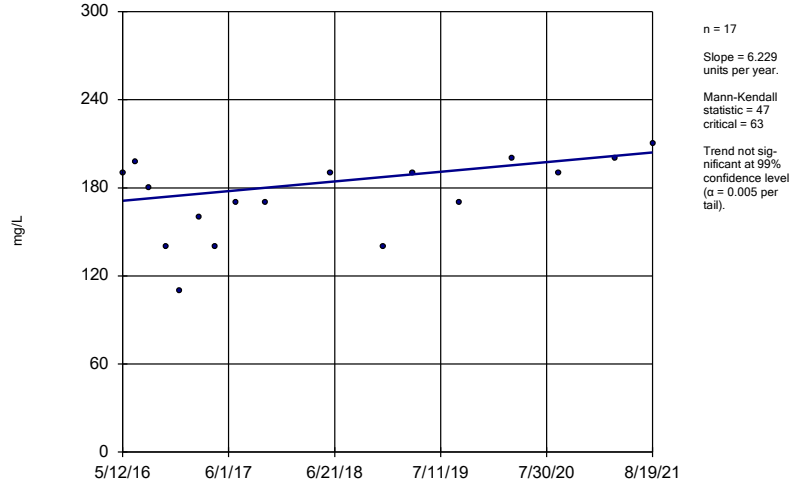
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 17

Slope = 6.229 units per year.

Mann-Kendall statistic = 47 critical = 63

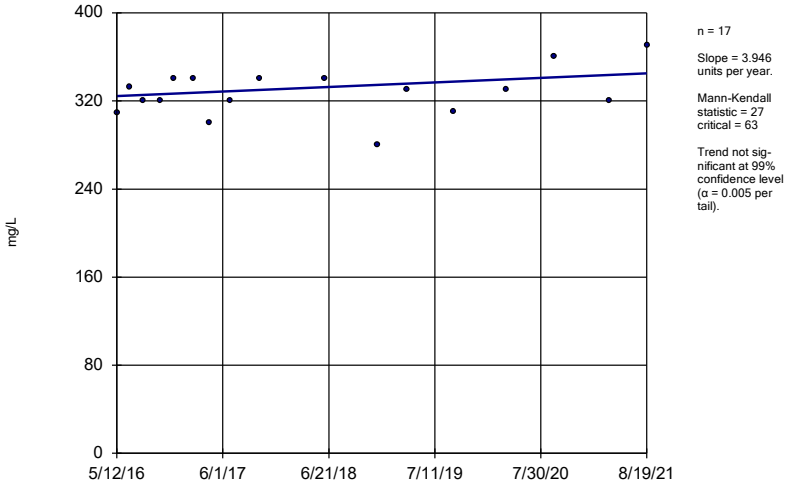
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-14



n = 17

Slope = 3.946 units per year.

Mann-Kendall statistic = 27
critical = 63

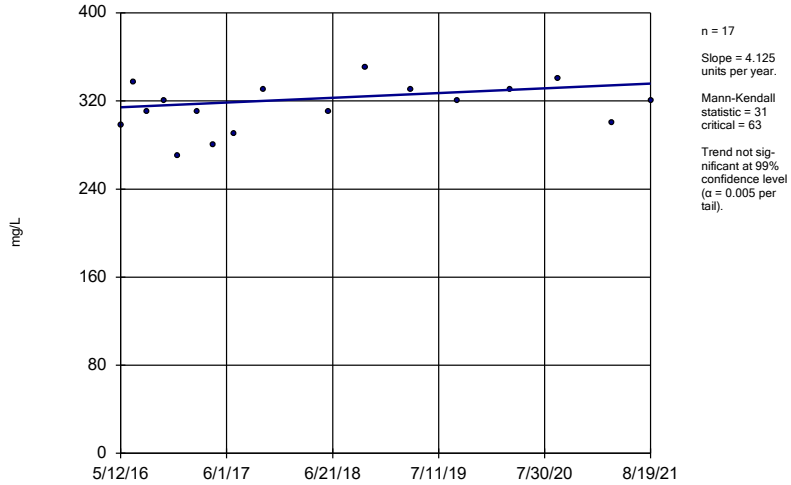
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 17

Slope = 4.125 units per year.

Mann-Kendall statistic = 31
critical = 63

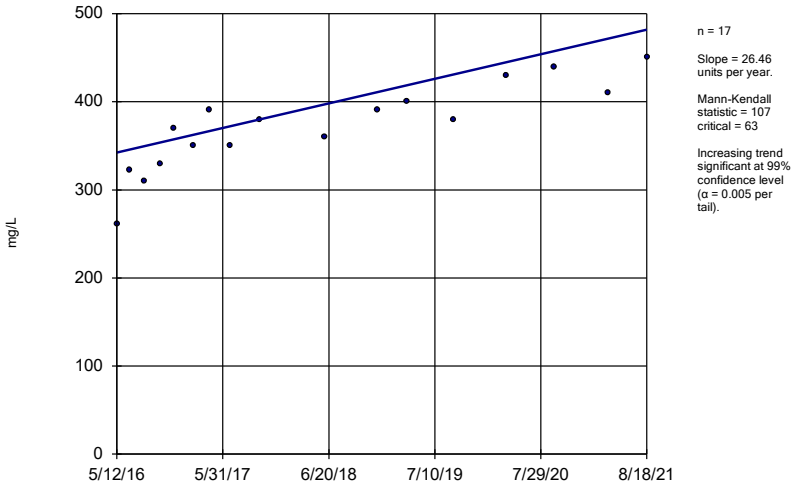
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 17

Slope = 26.46 units per year.

Mann-Kendall statistic = 107
critical = 63

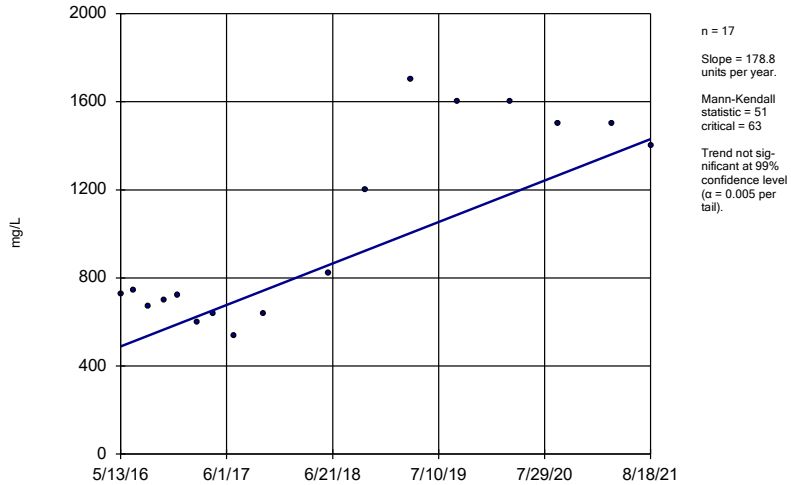
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 17

Slope = 178.8 units per year.

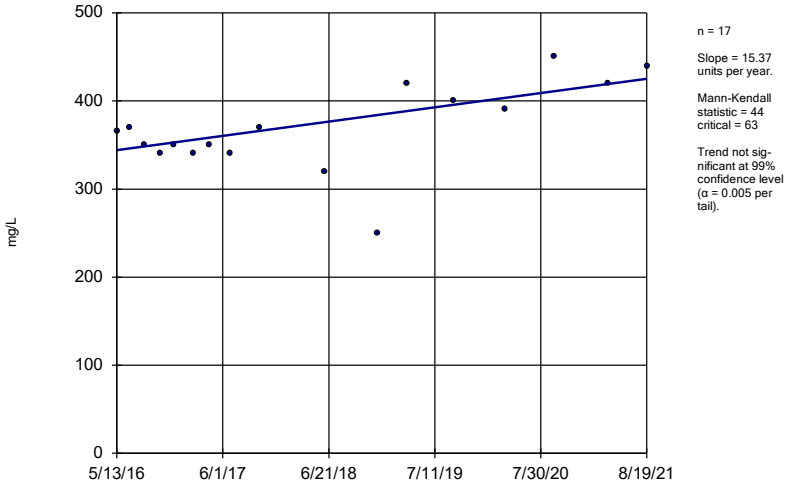
Mann-Kendall statistic = 51
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-19



n = 17

Slope = 15.37 units per year.

Mann-Kendall statistic = 44
critical = 63

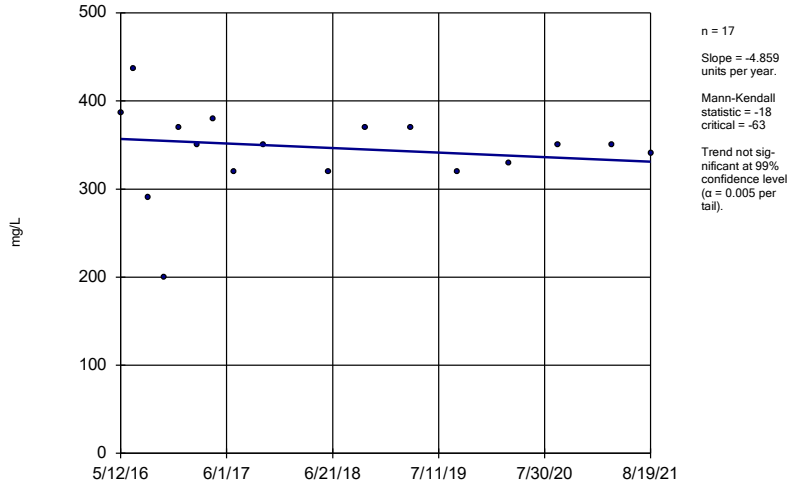
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 17

Slope = -4.859 units per year.

Mann-Kendall statistic = -18
critical = -63

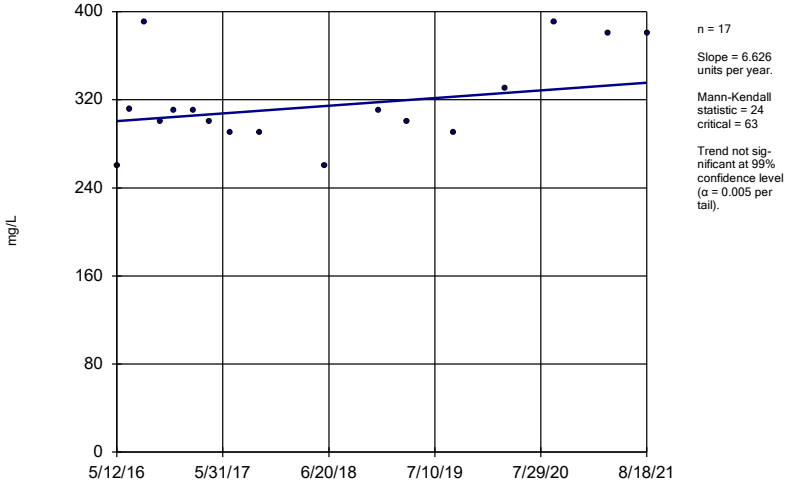
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 17

Slope = 6.626 units per year.

Mann-Kendall statistic = 24
critical = 63

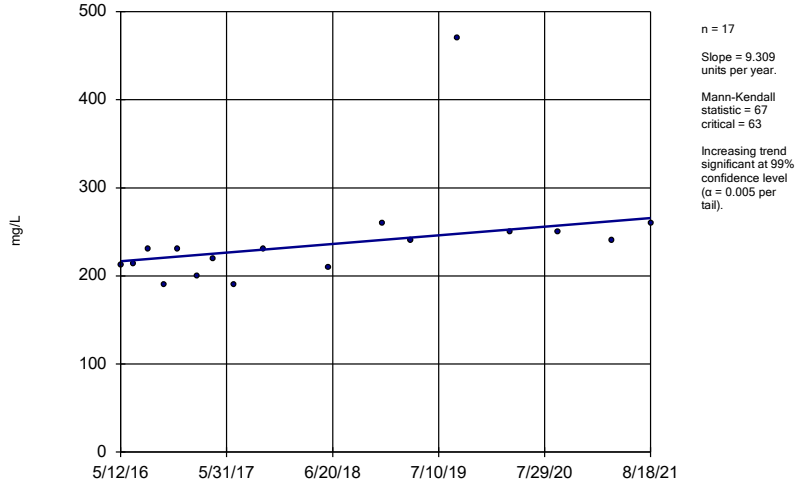
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 17

Slope = 9.309 units per year.

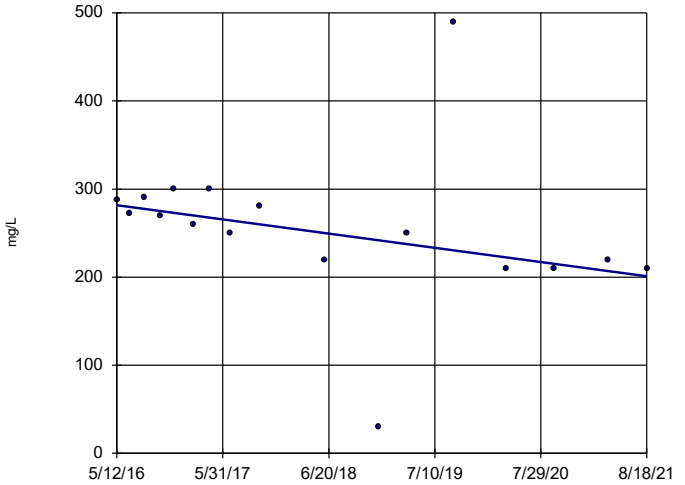
Mann-Kendall statistic = 67
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



n = 17

Slope = -15.3 units per year.

Mann-Kendall statistic = -60
critical = -63

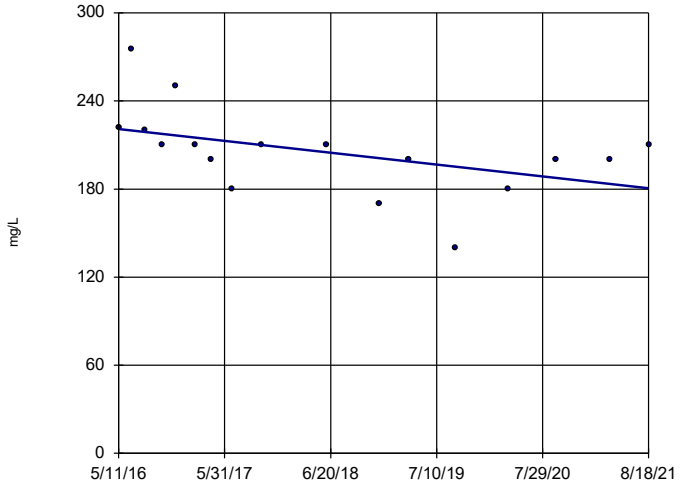
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 17

Slope = -7.62 units per year.

Mann-Kendall statistic = -63
critical = -63

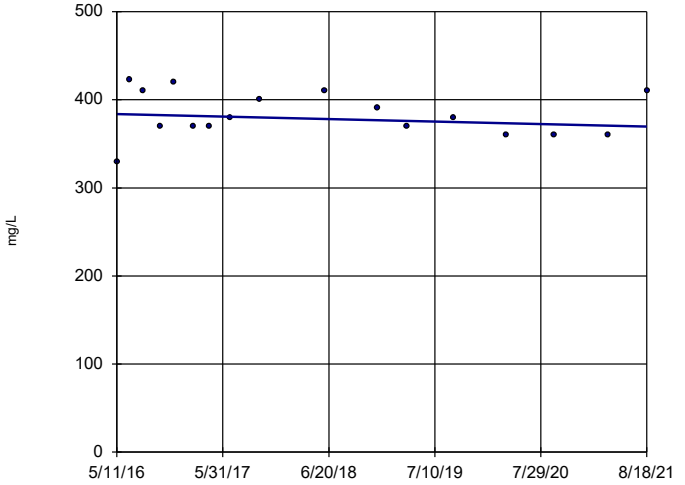
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 17

Slope = -2.673 units per year.

Mann-Kendall statistic = -25
critical = -63

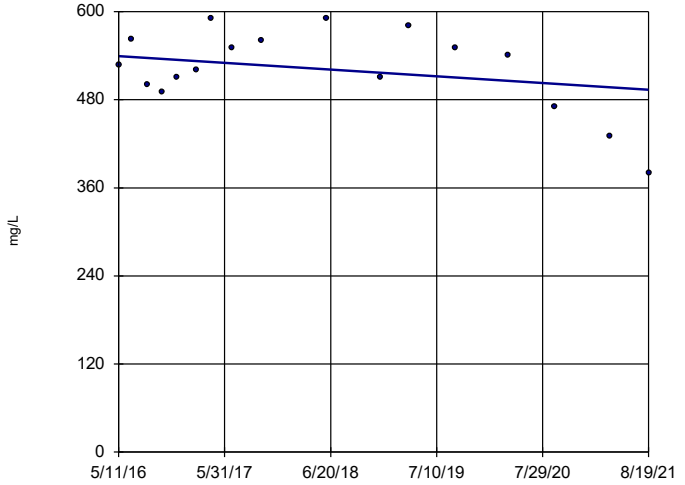
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 17

Slope = -8.624 units per year.

Mann-Kendall statistic = -25
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/12/2021 1:17 PM View: Appendix III - Trend Te
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE F.

Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:22 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0021	n/a	n/a	n/a	105	n/a	n/a	94.29	n/a	n/a	0.004581	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0015	n/a	n/a	n/a	140	n/a	n/a	85.71	n/a	n/a	0.0007609	NP Inter(NDs)
Barium (mg/L)	n/a	0.071	n/a	n/a	n/a	140	n/a	n/a	0	n/a	n/a	0.0007609	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	140	n/a	n/a	94.29	n/a	n/a	0.0007609	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	133	n/a	n/a	98.5	n/a	n/a	0.00109	NP Inter(NDs)
Chromium (mg/L)	n/a	0.021	n/a	n/a	n/a	147	n/a	n/a	31.97	n/a	n/a	0.0005313	NP Inter(normality)
Cobalt (mg/L)	n/a	0.02	n/a	n/a	n/a	140	n/a	n/a	62.14	n/a	n/a	0.0007609	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.54	n/a	n/a	n/a	140	n/a	n/a	0	n/a	n/a	0.0007609	NP Inter(normality)
Fluoride, total (mg/L)	n/a	0.16	n/a	n/a	n/a	147	n/a	n/a	62.59	n/a	n/a	0.0005313	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	140	n/a	n/a	93.57	n/a	n/a	0.0007609	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	140	n/a	n/a	92.86	n/a	n/a	0.0007609	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	142	n/a	n/a	90.85	n/a	n/a	0.0006867	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	133	n/a	n/a	90.98	n/a	n/a	0.00109	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	140	n/a	n/a	90.71	n/a	n/a	0.0007609	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	140	n/a	n/a	91.43	n/a	n/a	0.0007609	NP Inter(NDs)

FIGURE G.

SCHERER ASH POND GWPS					
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**Federal GWPS**	**State GWPS**
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		1.54	5	5
Fluoride, Total (mg/L)	4		0.16	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 Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	14	0.001957	0.0001604	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	13	0.001938	0.0002219	92.31	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	20	0.0009415	0.0001482	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	20	0.001006	0.0001016	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	20	0.0008885	0.0002485	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	20	0.000972	0.0001679	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	20	0.0009725	0.000183	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001349	0.0008753	0.01	No	20	0.001229	0.000458	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	20	0.000921	0.0001971	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	20	0.0009088	0.0001819	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003121	0.001764	0.01	No	20	0.002443	0.001195	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	20	0.000963	0.000115	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	20	0.0008515	0.0003339	45	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	20	0.000988	0.00005367	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	20	0.000909	0.0002133	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	20	0.00097	0.00009684	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	20	0.000925	0.0001853	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	20	0.000884	0.0001979	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	20	0.0008885	0.0002102	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	20	0.000864	0.0002204	55	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03251	0.02796	2	No	20	0.03024	0.004011	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04264	0.03799	2	No	20	0.04032	0.004089	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.051	0.03945	2	No	20	0.04523	0.01016	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.0347	0.02746	2	No	20	0.03108	0.006367	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.0592	0.05098	2	No	20	0.05509	0.00723	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0384	0.03225	2	No	20	0.03533	0.00542	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.02616	0.02002	2	No	20	0.02309	0.0054	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02232	0.01906	2	No	20	0.02069	0.002867	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02466	0.01617	2	No	20	0.02042	0.007481	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-19	0.04073	0.03349	2	No	20	0.03711	0.006369	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03404	0.02528	2	No	20	0.02966	0.007716	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	20	0.09954	0.01306	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09101	0.0807	2	No	20	0.08586	0.009076	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.0842	0.06916	2	No	20	0.07668	0.01325	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1079	0.0659	2	No	20	0.08692	0.037	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2982	0.2566	2	No	20	0.2774	0.03658	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	20	0.1818	0.02052	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06715	0.05514	2	No	20	0.06115	0.01058	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	20	0.002388	0.0005009	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	20	0.002286	0.0006593	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	20	0.0007245	0.0007681	15	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	20	0.002389	0.0004964	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	20	0.001313	0.001102	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	20	0.00192	0.00103	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008183	0.0006639	0.004	No	20	0.0007411	0.000136	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	20	0.002391	0.0004852	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	20	0.002385	0.0005143	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	20	0.002274	0.0006943	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	19	0.002274	0.0006808	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	19	0.001239	0.001106	42.11	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	19	0.001786	0.00108	68.42	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	19	0.002387	0.0004909	94.74	None	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	19	0.002248	0.0007555	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	19	0.002389	0.0004841	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	19	0.002385	0.0005024	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	20	0.002015	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	20	0.001985	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	20	0.001865	0.0003897	70	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.035	0.03254	0.1	No	20	0.03377	0.002167	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01167	0.009711	0.1	No	20	0.01069	0.001727	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007158	0.004277	0.1	No	20	0.005718	0.002536	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01027	0.007378	0.1	No	20	0.008991	0.002916	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01578	0.01434	0.1	No	20	0.01506	0.001272	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	20	0.001955	0.0002523	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	20	0.001925	0.0002268	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	20	0.00185	0.0004249	65	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001751	0.001307	0.1	No	20	0.001825	0.0003654	45	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	20	0.00203	0.0001342	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	20	0.00186	0.0004394	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003968	0.00253	0.02	No	20	0.003249	0.001267	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006948	0.003095	0.02	No	20	0.005395	0.003746	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.0114	0.006817	0.02	No	20	0.009108	0.004034	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004281	0.003492	0.02	No	20	0.003887	0.0006948	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	20	0.0009142	0.0008249	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	20	0.001458	0.001091	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	20	0.00156	0.001181	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003459	0.00185	0.02	No	20	0.002655	0.001416	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	20	0.002381	0.0005299	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002257	0.0008752	0.02	No	20	0.001997	0.001173	35	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01068	0.005272	0.02	No	20	0.007975	0.00476	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	20	0.001882	0.001008	65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01235	0.006043	0.02	No	20	0.009195	0.005551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	20	0.2763	0.3592	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.515	0.1699	5	No	20	0.3425	0.3039	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4228	0.1448	5	No	20	0.2838	0.2448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4353	0.1591	5	No	20	0.2972	0.2432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3384	0.0401	5	No	20	0.1893	0.2627	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4656	0.2419	5	No	20	0.3538	0.1969	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3347	0.08673	5	No	20	0.2107	0.2184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4174	0.1684	5	No	20	0.2929	0.2192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	20	0.3893	0.3538	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.396	0.11	5	No	20	0.2736	0.3561	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.602	0.2782	5	No	20	0.4401	0.2852	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.514	0.216	5	No	20	0.4276	0.3703	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4627	0.1214	5	No	20	0.3456	0.4239	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6595	0.4047	5	No	20	0.5321	0.2243	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3958	0.1339	5	No	20	0.2648	0.2306	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5283	0.3051	5	No	20	0.4167	0.1965	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.54	2.043	5	No	20	2.292	0.4381	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3732	0.1226	5	No	20	0.2479	0.2207	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	21	0.09033	0.02467	85.71	None	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	21	0.09386	0.01712	85.71	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.0991	0.06343	4	No	21	0.09019	0.03143	19.05	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	21	0.08843	0.02934	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	21	0.08076	0.03133	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	21	0.14	0.05537	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	21	0.08586	0.02912	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07263	0.04436	4	No	21	0.07976	0.03333	42.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	21	0.09468	0.02921	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	21	0.0976	0.02808	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2561	0.1829	4	No	21	0.2228	0.07223	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09281	0.06581	4	No	21	0.0911	0.02457	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	21	0.08814	0.02548	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	21	0.07705	0.0275	42.86	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1395	0.1002	4	No	21	0.1216	0.03803	14.29	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2324	0.1814	4	No	21	0.2069	0.04616	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4611	0.3639	4	No	21	0.4125	0.08814	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.0808	0.05677	4	No	21	0.08348	0.02388	42.86	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	20	0.00087	0.0003175	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	20	0.0009695	0.0001364	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	20	0.000941	0.0001989	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	20	0.0009615	0.0001722	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	20	0.0009565	0.0001945	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	20	0.0009585	0.0001856	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.015	No	20	0.00095	0.0001683	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.015	No	20	0.0006125	0.0003667	45	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.015	No	20	0.000804	0.0003526	75	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	20	0.000834	0.0003407	80	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	20	0.0009545	0.0002035	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.015	No	20	0.00096	0.0001789	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	20	0.000907	0.0002627	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	20	0.0009455	0.0001761	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.04	No	20	0.00419	0.001337	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.04	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.04	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.04	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	20	0.004235	0.0009371	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.04	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004799	0.003991	0.04	No	20	0.0047	0.0006497	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.04	No	20	0.004715	0.0008774	90	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004852	0.004033	0.04	No	19	0.004442	0.0006995	5.263	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	20	0.004485	0.001141	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	20	0.0046	0.001043	85	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.04	No	20	0.00433	0.0008609	50	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005325	0.004212	0.04	No	19	0.004768	0.0009511	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.04	No	20	0.004225	0.001388	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	20	0.0001965	0.00001565	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	20	0.0001946	0.00002393	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	20	0.0001854	0.0000359	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	20	0.0001558	0.00004458	40	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	20	0.0001895	0.000028	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001748	0.0001126	0.002	No	20	0.0001778	0.00004703	25	Kaplan-Meier	No	0.01	Param.

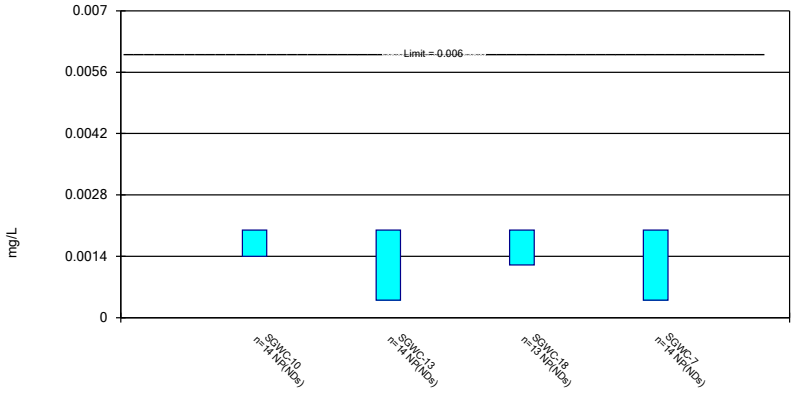
Federal Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	20	0.0001842	0.00003973	85	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	20	0.0001949	0.00002258	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	20	0.0001885	0.0000439	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.1	No	19	0.01354	0.004367	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.1	No	19	0.01362	0.004145	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.1	No	19	0.01351	0.004463	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0013	0.1	No	19	0.004612	0.005563	21.05	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.1	No	19	0.01425	0.003258	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.1	No	19	0.008377	0.007179	52.63	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	20	0.004773	0.001015	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	20	0.004765	0.001049	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	20	0.004547	0.001395	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	20	0.004575	0.001308	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	20	0.004105	0.00264	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0014	0.05	No	20	0.003876	0.001781	70	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	20	0.004308	0.001692	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01166	0.004039	0.05	No	20	0.00881	0.00815	5	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	20	0.004354	0.001578	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	20	0.003917	0.001858	65	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	20	0.00429	0.001734	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	20	0.004311	0.001682	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	20	0.004767	0.001042	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	20	0.0009045	0.0002583	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	20	0.0009155	0.0002601	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	20	0.0009285	0.0002208	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	20	0.000961	0.0001744	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	20	0.00089	0.0002858	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	20	0.0005427	0.0004335	45	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	20	0.000962	0.0001699	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.0003079	0.0001496	0.002	No	20	0.0002708	0.0002346	5	None	ln(x)	0.01	Param.
Thallium (mg/L)	SGWC-20	0.00021	0.00016	0.002	No	20	0.000226	0.0001903	5	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	20	0.000969	0.0001386	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	20	0.000958	0.0001878	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	20	0.0008585	0.0002956	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	20	0.000932	0.0002118	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	20	0.0008715	0.0002875	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	20	0.0009335	0.0002058	90	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

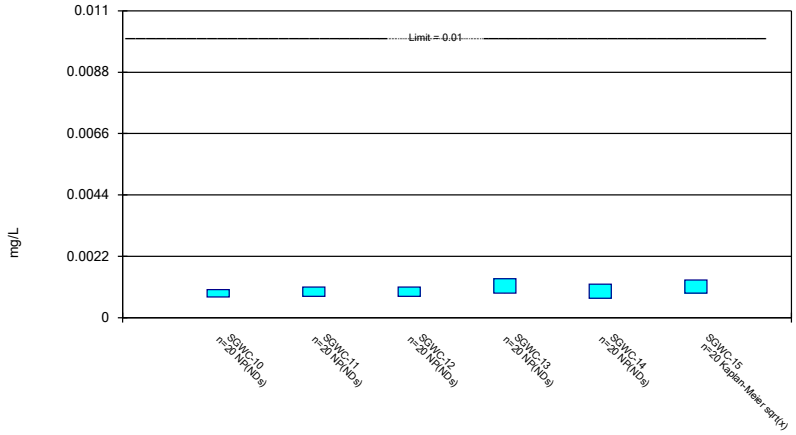


Constituent: Antimony Analysis Run 11/15/2021 1:31 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2021 1:31 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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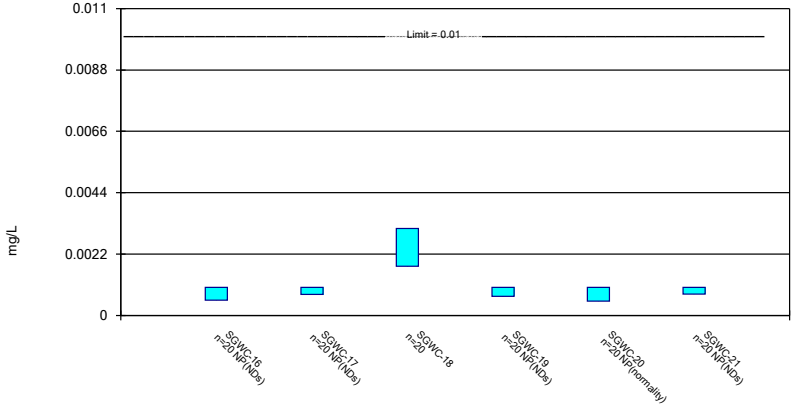
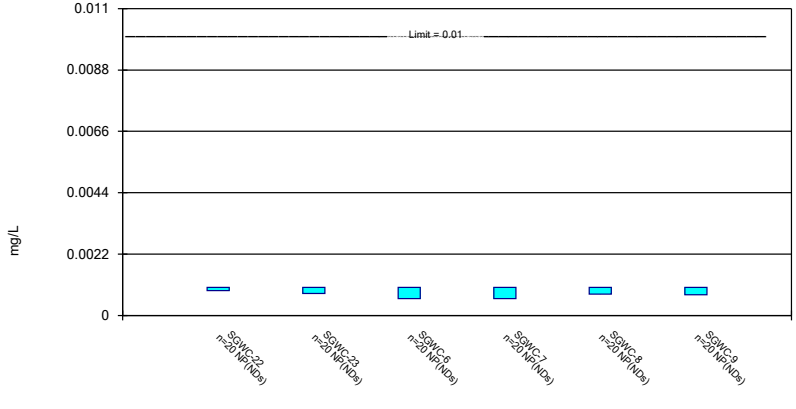


Constituent: Arsenic Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

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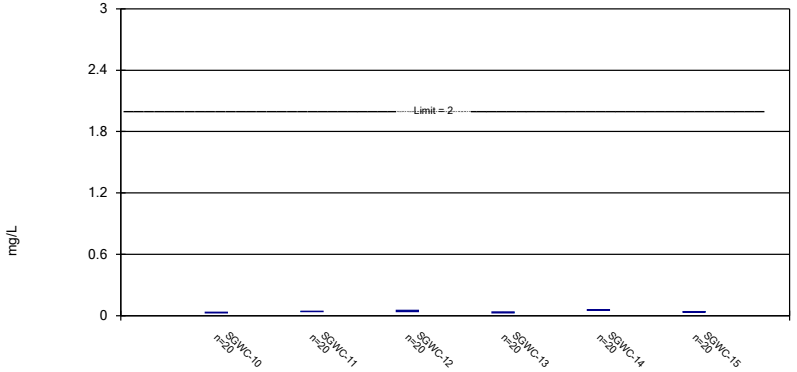
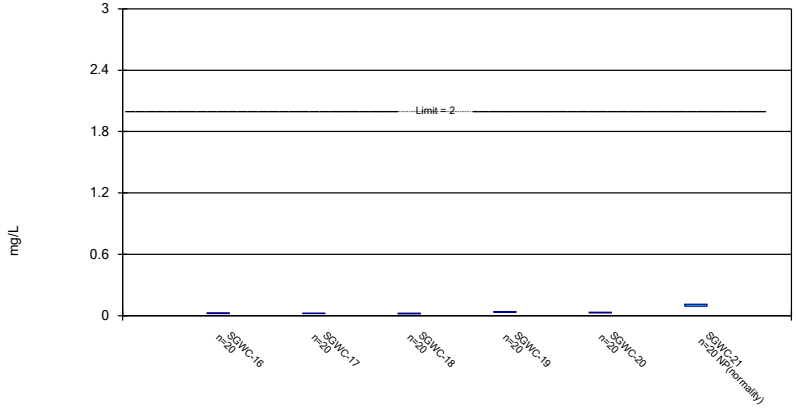


Constituent: Barium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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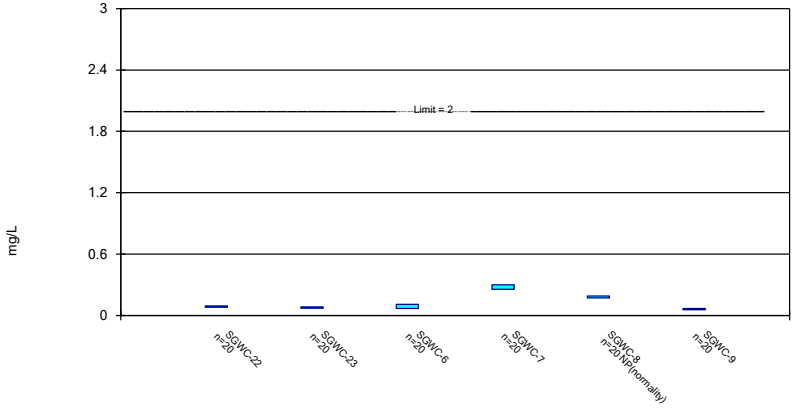
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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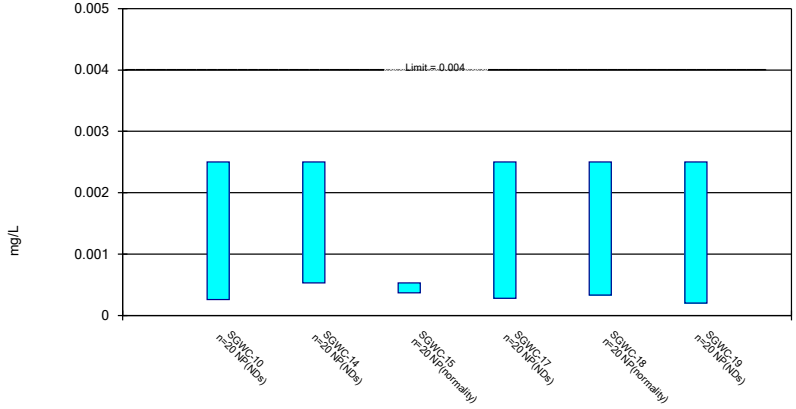
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

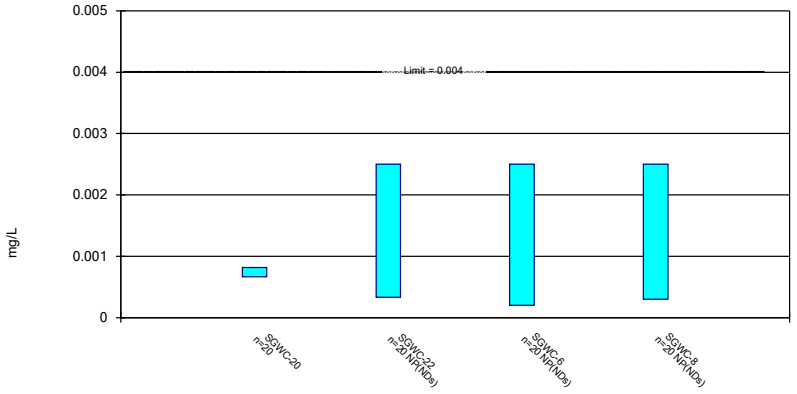
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 11/15/2021 1:32 PM 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 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

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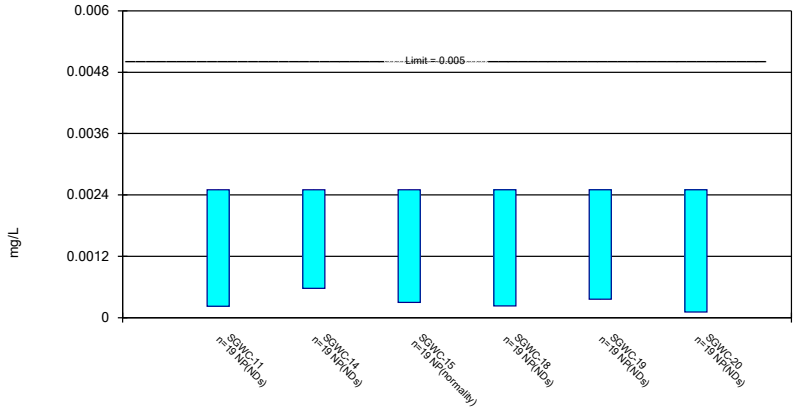
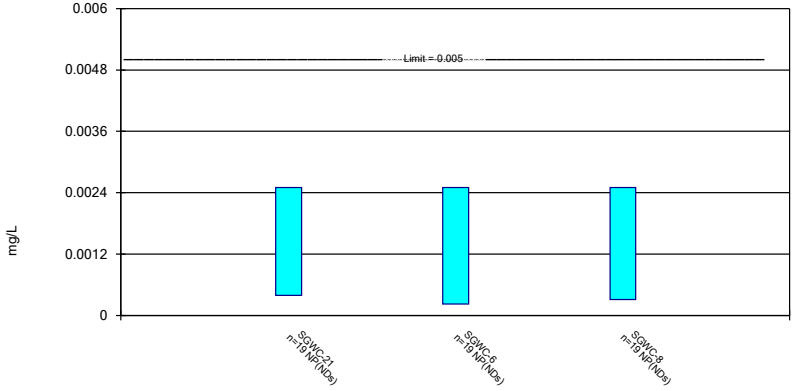


Constituent: Cadmium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

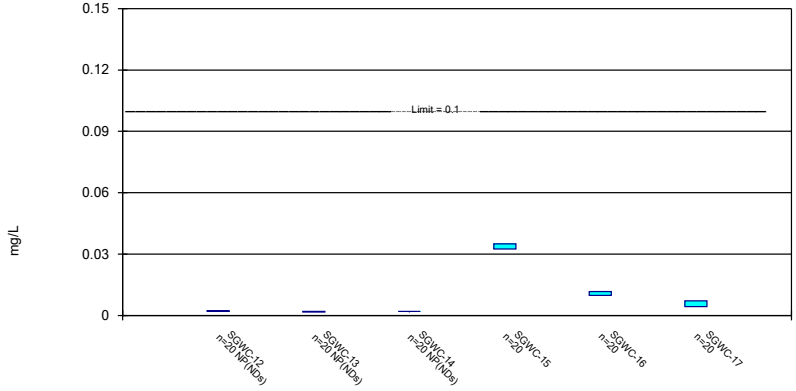
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

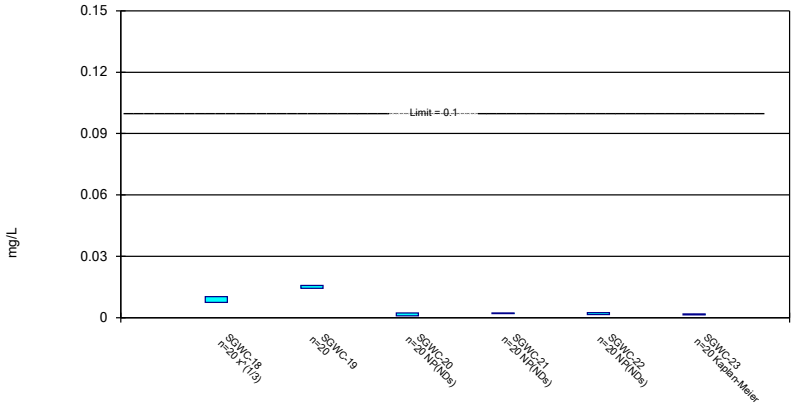
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/15/2021 1:32 PM 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.

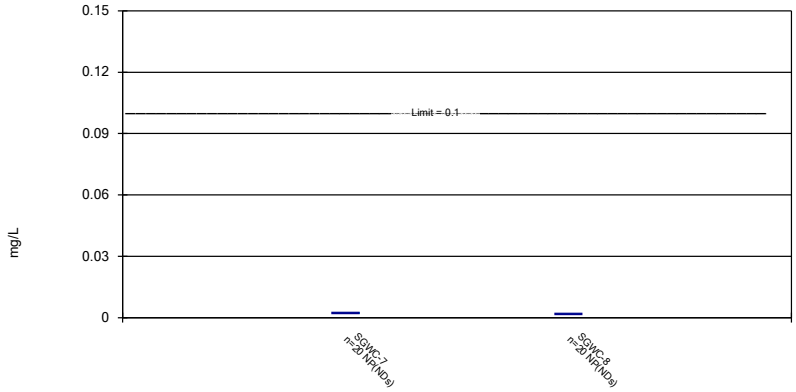


Constituent: Chromium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



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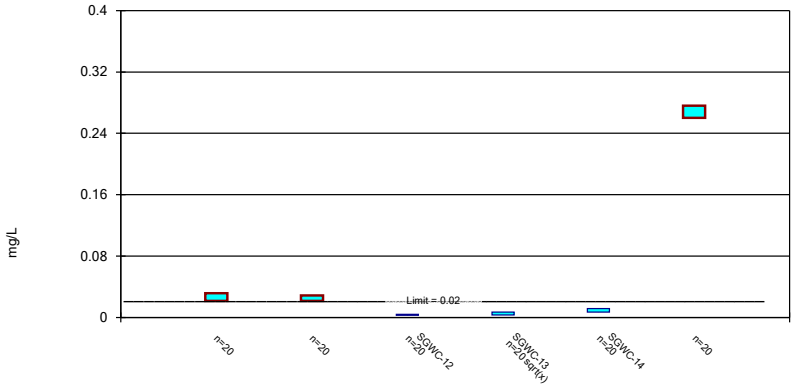
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

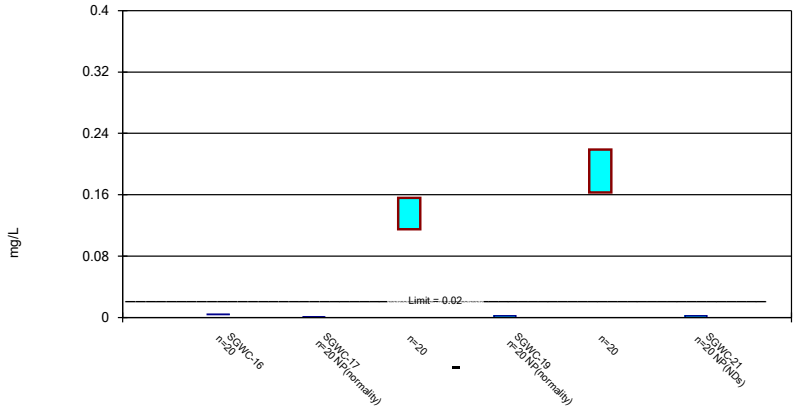


Constituent: Cobalt Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

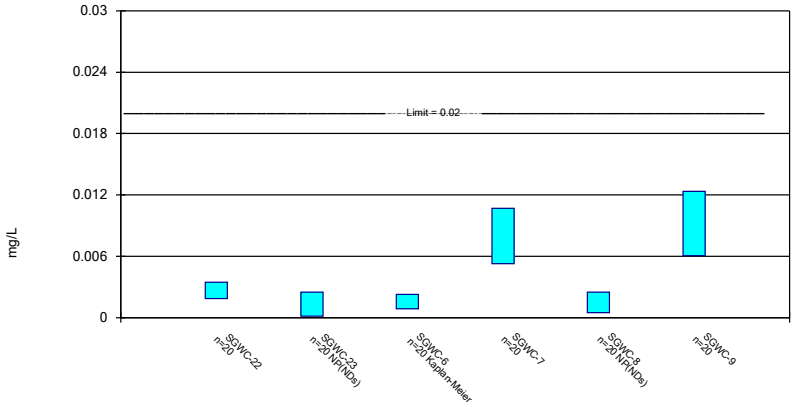
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/15/2021 1:32 PM 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.



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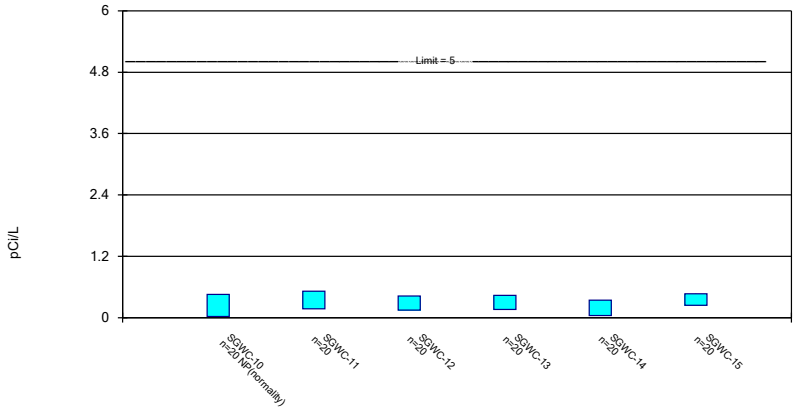
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

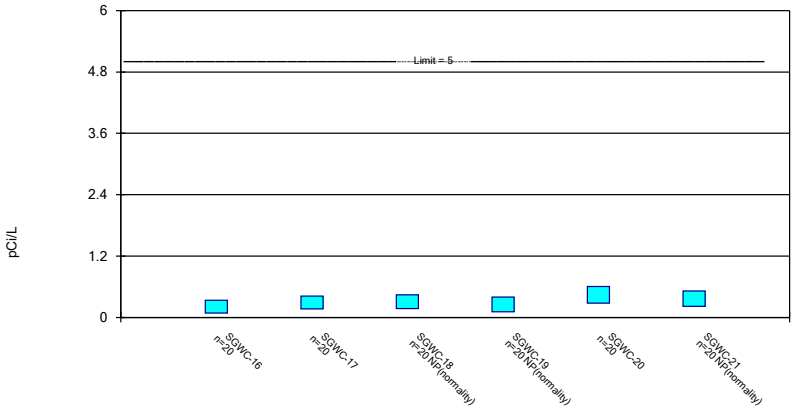
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

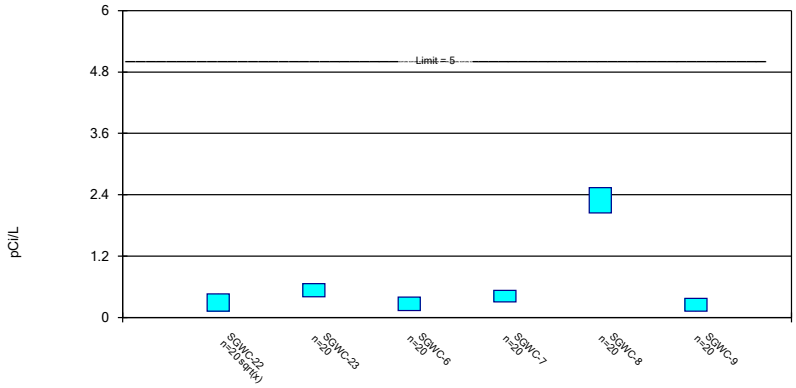
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

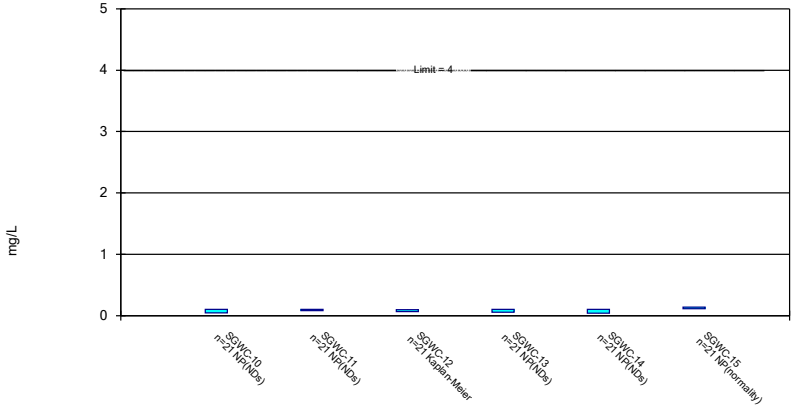
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:32 PM 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.



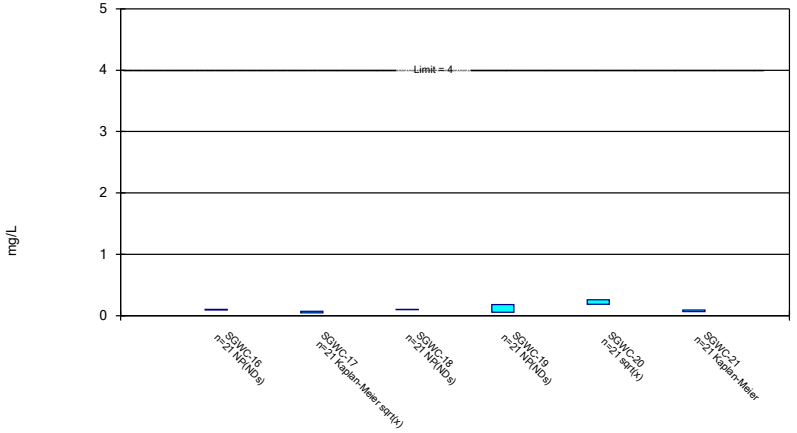
Constituent: Fluoride, total Analysis Run 11/15/2021 1:32 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



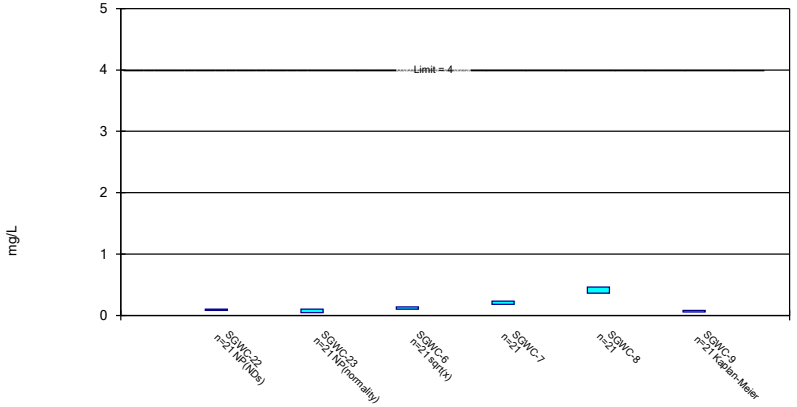
Constituent: Fluoride, total Analysis Run 11/15/2021 1:32 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



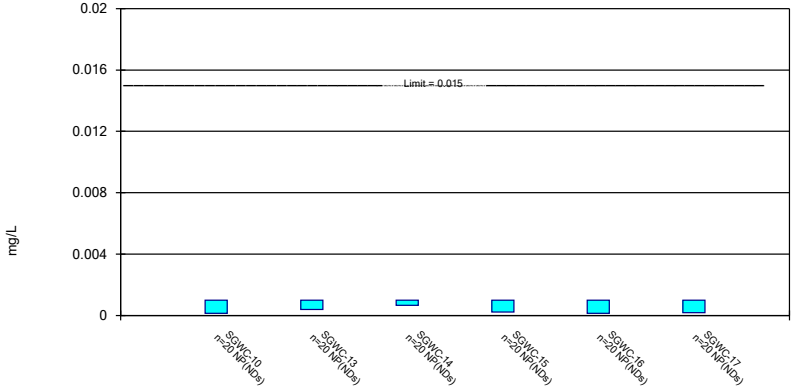
Constituent: Fluoride, total Analysis Run 11/15/2021 1:32 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

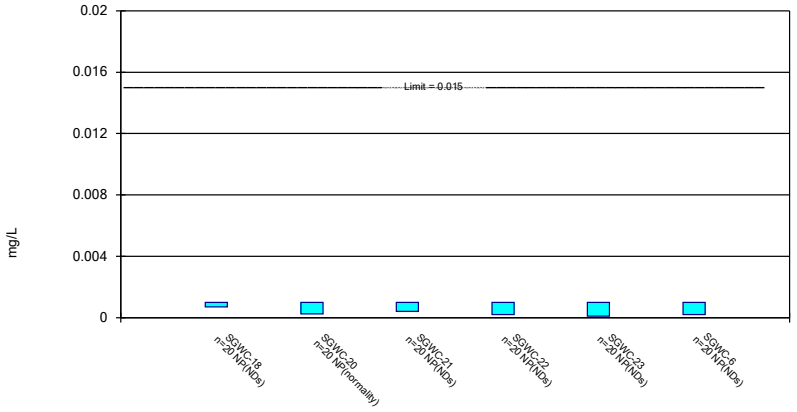


Constituent: Lead Analysis Run 11/15/2021 1:32 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

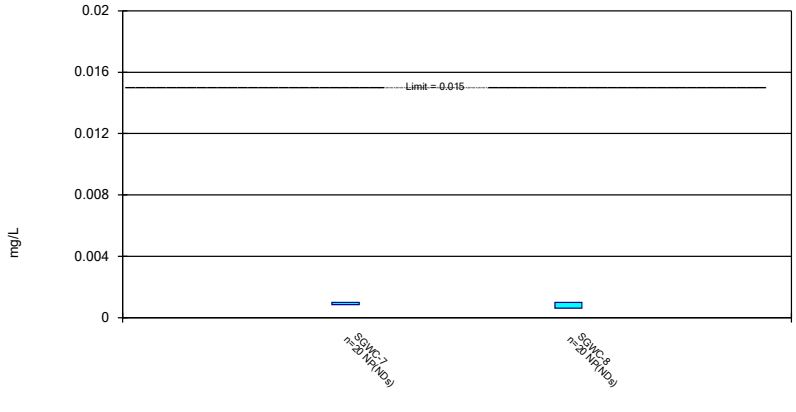


Constituent: Lead Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

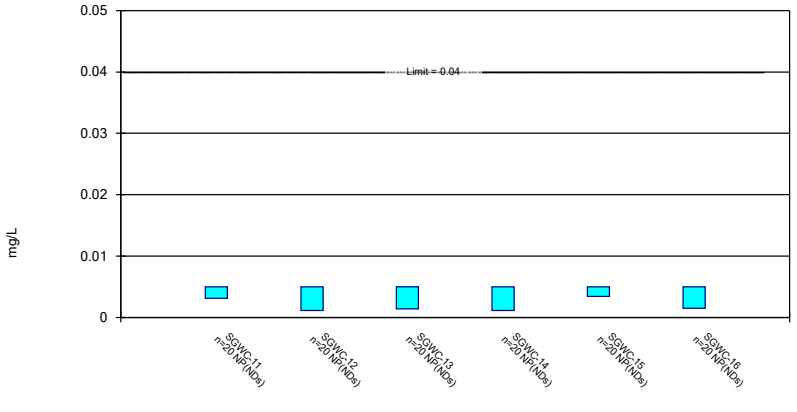


Constituent: Lead Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

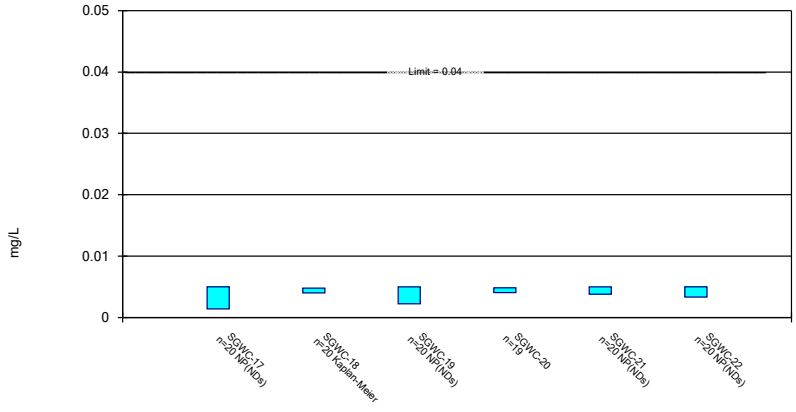


Constituent: Lithium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

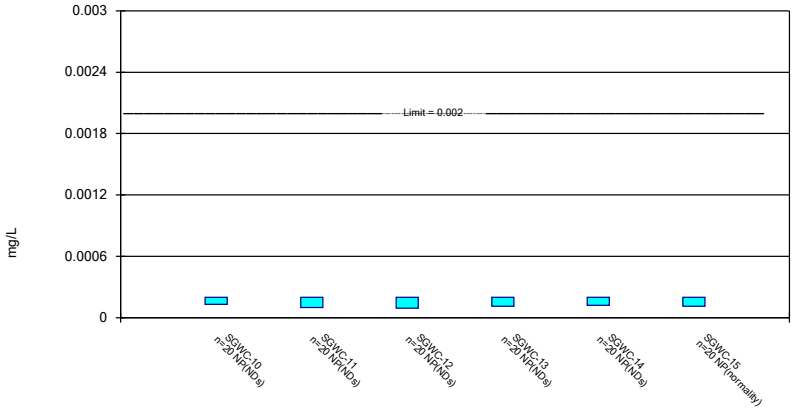
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

Constituent: Lithium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

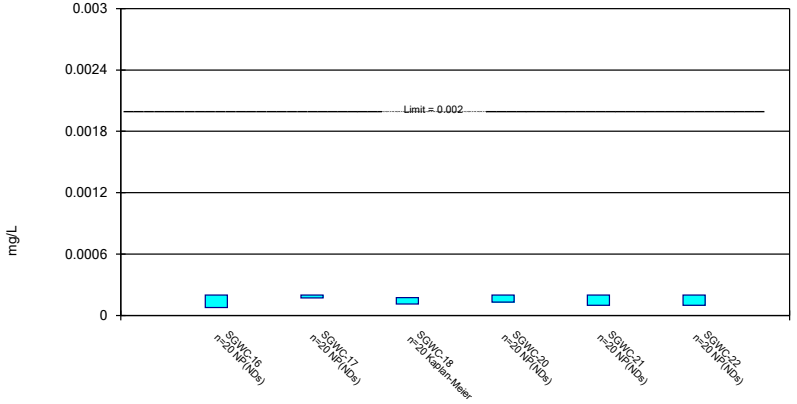
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

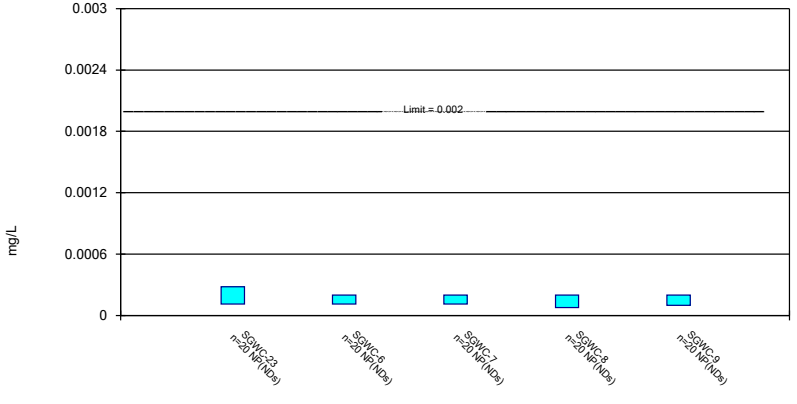
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

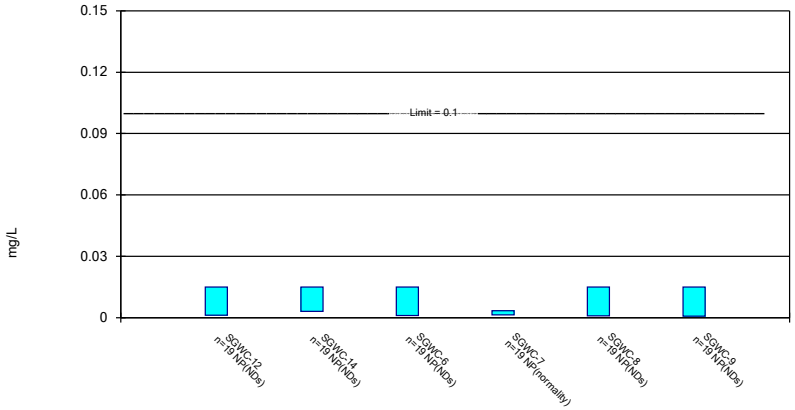
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

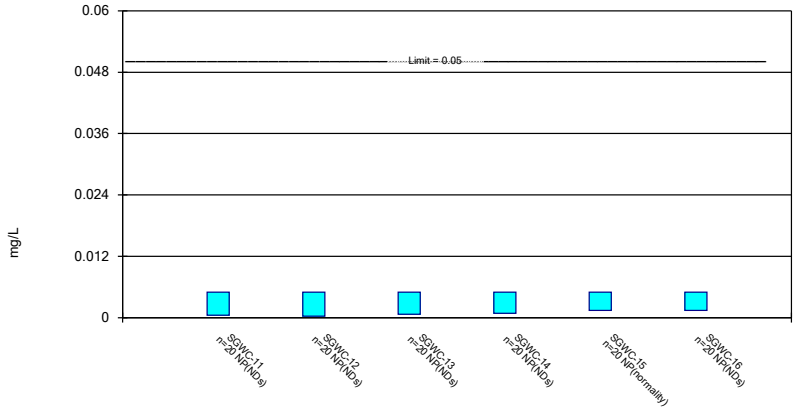
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

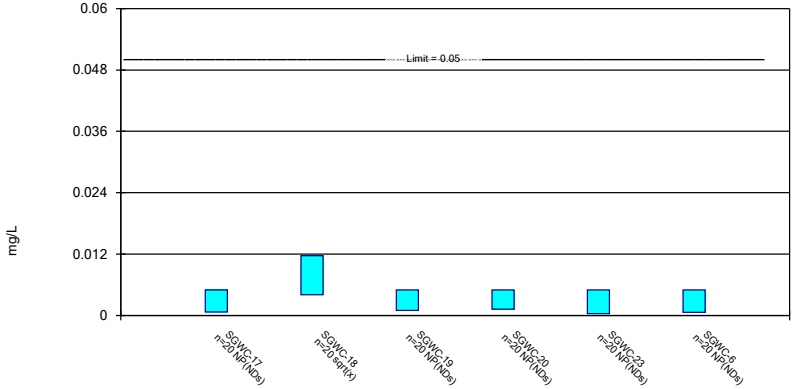
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

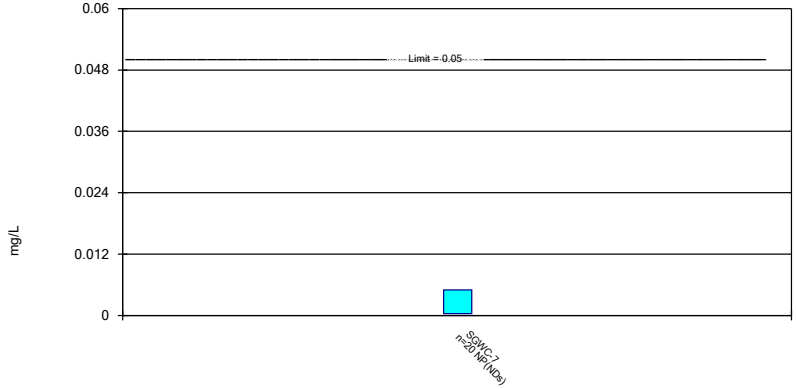
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

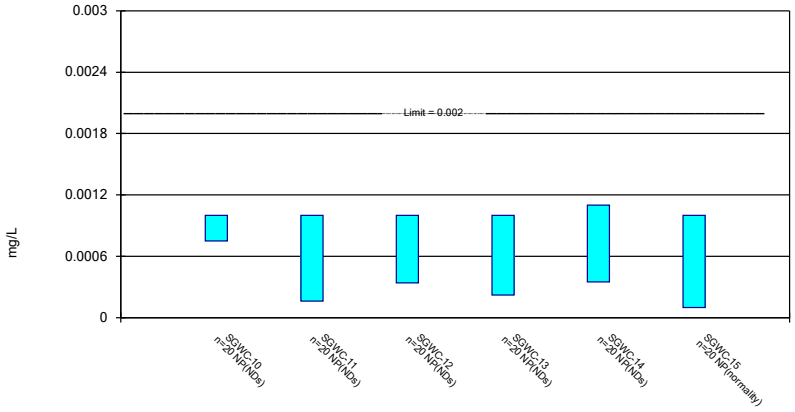
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 11/15/2021 1:32 PM 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.

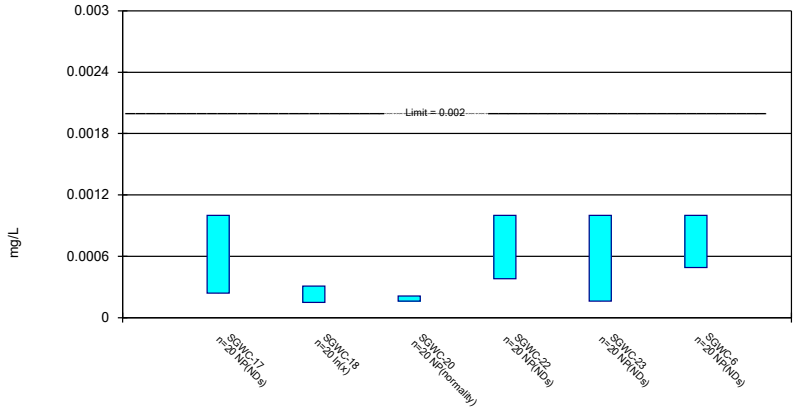


Constituent: Thallium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

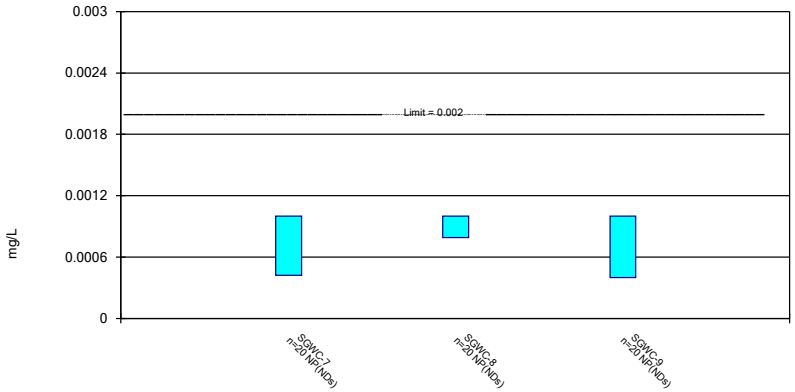


Constituent: Thallium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/15/2021 1:32 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-13	SGWC-18	SGWC-7
5/11/2016	<0.002			<0.002
5/12/2016		<0.002		
5/13/2016			<0.002	
6/27/2016				0.0004 (J)
6/28/2016	0.0014 (J)	0.0004 (J)		
6/30/2016			0.0012 (J)	
8/17/2016	<0.002			<0.002
8/18/2016		<0.002		
8/22/2016			<0.002	
10/17/2016	<0.002	<0.002		
10/18/2016				<0.002
10/19/2016			<0.002	
12/6/2016	<0.002	<0.002		<0.002
12/7/2016			<0.002	
2/14/2017				<0.002
2/15/2017	<0.002	<0.002 (F1)		
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
6/28/2017			<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
2/20/2019	<0.002	<0.002	<0.002	<0.002
2/18/2020				<0.002
2/19/2020	<0.002	<0.002		
2/20/2020			<0.002	
2/9/2021	<0.002	<0.002		<0.002
2/10/2021			<0.002	
8/18/2021			<0.002	<0.002
8/19/2021	<0.002	<0.002		
Mean	0.001957	0.001886	0.001938	0.001886
Std. Dev.	0.0001604	0.0004276	0.0002219	0.0004276
Upper Lim.	0.002	0.002	0.002	0.002
Lower Lim.	0.0014	0.0004	0.0012	0.0004

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.001	0.00103 (J)	<0.001			
5/12/2016				<0.001	<0.001	<0.001
6/28/2016	<0.001	0.0011 (J)	0.001 (J)	<0.001	<0.001	0.0026 (J)
8/17/2016	<0.001	0.0011 (J)				
8/18/2016			0.00091 (J)	<0.001	<0.001	0.0015
10/17/2016	<0.001	0.0011 (J)	<0.001	<0.001	<0.001	
10/18/2016						0.0019
12/6/2016	<0.001	0.00072 (J)	<0.001	<0.001		
12/7/2016					<0.001	0.00079 (J)
2/15/2017	0.0005 (J)	0.0011 (J)	0.00076 (J)	<0.001	<0.001	0.00073 (J)
4/12/2017	<0.001	0.00076 (J)	0.00046 (J)	0.00047 (J)	0.00057 (J)	0.0009 (J)
6/27/2017	0.00074 (J)	0.0011 (J)	0.0011 (J)	0.00088 (J)	0.00058 (J)	0.0011 (J)
3/27/2018	<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
10/8/2018			0.0007 (J)	0.00069 (J)	0.0007 (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)
4/1/2019	0.00059 (J)	0.0011 (J)	0.0012 (J)	0.0014	0.0012 (J)	0.0016
9/16/2019		<0.001	<0.001			
9/17/2019	<0.001			<0.001	<0.001	0.0008 (J)
2/18/2020		<0.001				
2/19/2020	<0.001		0.00032 (J)	<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
9/14/2020	<0.001	<0.001	<0.001	<0.001		
9/15/2020					<0.001	0.0014
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013
3/31/2021	<0.001					0.0012
4/6/2021					<0.001	
4/7/2021		<0.001	<0.001	<0.001		
8/19/2021	<0.001	<0.001		<0.001	<0.001	0.0014
8/20/2021			<0.001			
Mean	0.0009415	0.001006	0.0008885	0.000972	0.0009725	0.001229
Std. Dev.	0.0001482	0.0001016	0.0002485	0.0001679	0.000183	0.000458
Upper Lim.	0.001	0.0011	0.0011	0.0014	0.0012	0.001349
Lower Lim.	0.00074	0.00076	0.00076	0.00088	0.0007	0.0008753

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	<0.001	<0.001			<0.001	<0.001
5/13/2016			0.00161 (J)	<0.001		
6/28/2016	<0.001					
6/29/2016		<0.001		<0.001	0.0018 (J)	<0.001
6/30/2016			0.004 (J)			
8/18/2016	<0.001	<0.001				
8/22/2016			0.0012 (J)	<0.001	0.001 (J)	<0.001
10/18/2016	<0.001			<0.001	0.00085 (J)	<0.001
10/19/2016		0.001045 (JD)	0.0019			
12/7/2016	<0.001	<0.001	0.0012 (J)			<0.001
12/8/2016				<0.001	<0.001	
2/15/2017		0.00059 (J)				
2/16/2017	<0.001		0.00086 (J)	<0.001	<0.001	<0.001
4/13/2017	<0.001	0.00066 (J)	0.00058 (J)	<0.001	<0.001	<0.001
6/27/2017	0.00055 (J)	0.00075 (J)				
6/28/2017			0.0011 (J)	0.00068 (J)	0.00094 (J)	0.00076 (J)
3/27/2018	<0.001	<0.001				
3/28/2018			0.0015	<0.001	<0.001	<0.001
6/7/2018	<0.001	<0.001			<0.001	<0.001
6/8/2018			0.002	<0.001		
10/8/2018	0.00054 (J)	0.00075 (J)				<0.001
10/9/2018				0.00058 (J)		
10/18/2018			0.0031		<0.001	
2/20/2019	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
4/2/2019	<0.001	<0.001	0.0027	<0.001	<0.001	<0.001
9/17/2019	<0.001	<0.001	0.0029	<0.001	0.00037 (J)	<0.001
2/18/2020					0.00032 (J)	<0.001
2/19/2020	<0.001	<0.001		<0.001		
2/20/2020			0.0031			
3/23/2020				<0.001	0.0005 (J)	<0.001
3/24/2020		<0.001				
3/26/2020			0.0047			
3/27/2020	<0.001					
9/15/2020	<0.001	<0.001	0.0045	<0.001	0.00051 (J)	<0.001
2/9/2021	<0.001					
2/10/2021		0.00038 (J)	0.0033	<0.001	0.00059 (J)	<0.001
3/30/2021			0.0028	<0.001	0.00049 (J)	<0.001
4/1/2021	0.00033 (J)	<0.001				
8/18/2021		<0.001	0.0028			<0.001
8/19/2021	<0.001			<0.001	0.00066 (J)	
Mean	0.000921	0.0009088	0.002443	0.000963	0.0008515	0.000988
Std. Dev.	0.0001971	0.0001819	0.001195	0.000115	0.0003339	5.367E-05
Upper Lim.	0.001	0.001	0.003121	0.001	0.001	0.001
Lower Lim.	0.00055	0.00075	0.001764	0.00068	0.00051	0.00076

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			<0.001	<0.001	<0.001	<0.001
5/12/2016	<0.001	<0.001				
6/27/2016			<0.001	0.0009 (J)	<0.001	
6/29/2016	<0.001	<0.001				0.0009 (J)
8/17/2016			<0.001	0.0006 (J)	<0.001	
8/19/2016	<0.001	<0.001				
8/22/2016						<0.001
10/17/2016			<0.001		<0.001	
10/18/2016	<0.001	<0.001		<0.001		0.00074 (J)
12/6/2016			<0.001	<0.001	<0.001	
12/7/2016	<0.001	<0.001				0.00079 (J)
2/14/2017			0.0006 (J)	0.00059 (J)	0.0005 (J)	
2/15/2017		<0.001				
2/16/2017	<0.001					0.00056 (J)
4/12/2017			0.00046 (J)	0.00058 (J)	<0.001	
4/13/2017	0.0006 (J)	0.00061 (J)				0.00079 (J)
6/27/2017			<0.001	<0.001	0.00076 (J)	0.0011 (J)
6/28/2017	0.00089 (J)	0.00079 (J)				
3/27/2018		<0.001	<0.001	<0.001	<0.001	
3/28/2018	<0.001					<0.001
6/6/2018			<0.001	<0.001	<0.001	<0.001
6/7/2018	<0.001	<0.001				
10/8/2018	<0.001	<0.001	<0.001			
10/9/2018				0.00057 (J)	0.00053 (J)	0.00068 (J)
2/19/2019	<0.001	<0.001				
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	<0.001	<0.001			
9/16/2019			<0.001			<0.001
9/17/2019				<0.001	0.00035 (J)	
9/18/2019	0.00035 (J)	<0.001				
2/18/2020	0.00034 (J)	<0.001	<0.001	<0.001	<0.001	
2/19/2020						0.00039 (J)
3/24/2020	<0.001	<0.001				
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
9/15/2020	<0.001	<0.001				
2/9/2021			<0.001	<0.001	<0.001	<0.001
2/10/2021	<0.001	<0.001				
3/31/2021	<0.001	<0.001				0.00033 (J)
4/1/2021			<0.001	0.00044 (J)	<0.001	
8/18/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
8/19/2021						<0.001
Mean	0.000909	0.00097	0.000925	0.000884	0.0008885	0.000864
Std. Dev.	0.0002133	9.684E-05	0.0001853	0.0001979	0.0002102	0.0002204
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00089	0.00079	0.0006	0.0006	0.00076	0.00074

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.0294	0.038	0.0324			
5/12/2016				0.0198	0.067	0.041
6/28/2016	0.0293	0.0363	0.0321	0.0208	0.0668	0.0435
8/17/2016	0.029	0.033				
8/18/2016			0.03	0.022	0.06	0.043
10/17/2016	0.027	0.035	0.032	0.024	0.06	
10/18/2016						0.041
12/6/2016	0.03	0.035	0.032	0.025		
12/7/2016					0.063	0.042
2/15/2017	0.025	0.036	0.036	0.026	0.061	0.038
4/12/2017	0.028	0.038	0.037	0.029	0.062	0.038
6/27/2017	0.034	0.042	0.042	0.031	0.06	0.041
3/27/2018	0.031	0.039	0.043	0.029	0.055	0.035
6/6/2018	0.027	0.041	0.048			
6/7/2018				0.032	0.057	0.035
10/8/2018			0.049	0.033	0.053	
10/9/2018	0.032					
10/16/2018		0.037				0.031
2/20/2019	0.036	0.044	0.054	0.041	0.053	0.036
4/1/2019	0.039	0.041	0.051	0.038	0.054	0.034
9/16/2019		0.045	0.052			
9/17/2019	0.029			0.036	0.048	0.034
2/18/2020		0.044				
2/19/2020	0.027		0.053	0.033	0.047	0.031
3/25/2020	0.036	0.046				
3/26/2020			0.051			
3/27/2020				0.034	0.049	0.028
9/14/2020	0.027	0.042	0.057	0.039		
9/15/2020					0.05	0.031
2/9/2021	0.028	0.043	0.058	0.036	0.046	0.029
3/31/2021	0.036					0.028
4/6/2021					0.048	
4/7/2021		0.046	0.058	0.037		
8/19/2021	0.025	0.045		0.036	0.042	0.027
8/20/2021			0.057			
Mean	0.03024	0.04032	0.04523	0.03108	0.05509	0.03533
Std. Dev.	0.004011	0.004089	0.01016	0.006367	0.00723	0.00542
Upper Lim.	0.03251	0.04264	0.051	0.0347	0.0592	0.0384
Lower Lim.	0.02796	0.03799	0.03945	0.02746	0.05098	0.03225

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.0163	0.0157			0.0436	0.0914
5/13/2016			0.0138	0.0507		
6/28/2016	0.0165					
6/29/2016		0.0161 (J)		0.0485	0.0466	0.0933
6/30/2016			0.0145 (J)			
8/18/2016	0.017	0.016				
8/22/2016			0.014	0.044	0.038	0.086
10/18/2016	0.017			0.042	0.039	0.093
10/19/2016		0.021 (D)	0.016			
12/7/2016	0.017	0.018	0.015			0.096
12/8/2016				0.045	0.038	
2/15/2017		0.02				
2/16/2017	0.017		0.013	0.04	0.034	0.091
4/13/2017	0.019	0.019	0.012	0.037	0.028	0.088
6/27/2017	0.02	0.019				
6/28/2017			0.012	0.04	0.03	0.094
3/27/2018	0.021	0.02				
3/28/2018			0.029	0.034	0.027	0.09
6/7/2018	0.022	0.02			0.029	0.092
6/8/2018			0.032	0.035		
10/8/2018	0.025	0.021				0.092
10/9/2018				0.037		
10/18/2018			0.033		0.027	
2/20/2019	0.027	0.023	0.034	0.036	0.03	0.1
4/2/2019	0.023	0.02	0.028	0.03	0.023	0.087
9/17/2019	0.029	0.025	0.026	0.035	0.025	0.097
2/18/2020					0.023	0.11
2/19/2020	0.029	0.022		0.034		
2/20/2020			0.023			
3/23/2020				0.032	0.024	0.1
3/24/2020		0.024				
3/26/2020			0.02			
3/27/2020	0.027					
9/15/2020	0.031	0.025	0.02	0.034	0.024	0.13
2/9/2021	0.03					
2/10/2021		0.023	0.016	0.031	0.023	0.12
3/30/2021			0.015	0.03	0.021	0.12
4/1/2021	0.029	0.022				
8/18/2021		0.024	0.022			0.12
8/19/2021	0.029			0.027	0.02	
Mean	0.02309	0.02069	0.02042	0.03711	0.02966	0.09954
Std. Dev.	0.0054	0.002867	0.007481	0.006369	0.007716	0.01306
Upper Lim.	0.02616	0.02232	0.02466	0.04073	0.03404	0.11
Lower Lim.	0.02002	0.01906	0.01617	0.03349	0.02528	0.091

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.0933	0.295	0.251	0.0494
5/12/2016	0.1	0.0959				
6/27/2016			0.101	0.353	0.205	
6/29/2016	0.0991	0.0957				0.0535
8/17/2016			0.094	0.29	0.16	
8/19/2016	0.096	0.093				
8/22/2016						0.049
10/17/2016			0.11		0.17	
10/18/2016	0.096	0.093		0.29		0.049
12/6/2016			0.11	0.31	0.16	
12/7/2016	0.09	0.09				0.048
2/14/2017			0.056	0.3	0.18	
2/15/2017		0.09				
2/16/2017	0.091					0.056
4/12/2017			0.048	0.3	0.18	
4/13/2017	0.091	0.081				0.063
6/27/2017			0.058	0.36	0.18	0.067
6/28/2017	0.1	0.085				
3/27/2018		0.076	0.021	0.27	0.17	
3/28/2018	0.084					0.069
6/6/2018			0.014	0.24	0.18	0.069
6/7/2018	0.084	0.082				
10/8/2018	0.084	0.077	0.069			
10/9/2018				0.28	0.17	0.077
2/19/2019	0.075	0.064				
2/20/2019			0.052	0.28	0.2	0.077
4/1/2019				0.24	0.19	0.071
4/2/2019	0.076	0.068	0.069			
9/16/2019			0.13			0.077
9/17/2019				0.23	0.19	
9/18/2019	0.078	0.068				
2/18/2020	0.085	0.065	0.083	0.25	0.17	
2/19/2020						0.065
3/24/2020	0.081	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
9/15/2020	0.083	0.064				
2/9/2021			0.12	0.26	0.18	0.054
2/10/2021	0.078	0.066				
3/31/2021	0.072	0.059				0.061
4/1/2021			0.12	0.26	0.17	
8/18/2021	0.074	0.056	0.13	0.24	0.16	
8/19/2021						0.043
Mean	0.08586	0.07668	0.08692	0.2774	0.1818	0.06115
Std. Dev.	0.009076	0.01325	0.037	0.03658	0.02052	0.01058
Upper Lim.	0.09101	0.0842	0.1079	0.2982	0.19	0.06715
Lower Lim.	0.0807	0.06916	0.0659	0.2566	0.17	0.05514

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-19
5/11/2016	<0.0025					
5/12/2016		<0.0025	<0.0025	<0.0025		
5/13/2016					<0.0025	<0.0025
6/28/2016	<0.0025	<0.0025	0.0003 (J)			
6/29/2016				<0.0025		0.0002 (J)
6/30/2016					0.0003 (J)	
8/17/2016	<0.0025					
8/18/2016		<0.0025	0.00037 (J)	<0.0025		
8/22/2016					<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025				
10/18/2016			<0.0025			<0.0025
10/19/2016				<0.0025	<0.0025	
12/6/2016	<0.0025					
12/7/2016		<0.0025	<0.0025	<0.0025	<0.0025	
12/8/2016						<0.0025
2/15/2017	<0.0025	<0.0025	0.00037 (J)	<0.0025		
2/16/2017					<0.0025	<0.0025
4/12/2017	<0.0025	<0.0025	0.00035 (J)			
4/13/2017				<0.0025	<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	0.0004 (J)	<0.0025		
6/28/2017					<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	0.00041 (J)	<0.0025		
3/28/2018					0.00036 (J)	<0.0025
6/6/2018	<0.0025					
6/7/2018		<0.0025	0.00038 (J)	<0.0025		
6/8/2018					0.00035 (J)	<0.0025
10/8/2018		<0.0025		<0.0025		
10/9/2018	<0.0025					<0.0025
10/16/2018			0.0004 (J)			
10/18/2018					<0.0025	
2/20/2019	<0.0025	<0.0025	0.00042 (J)	<0.0025	0.00033 (J)	0.00016 (J)
4/1/2019	<0.0025	<0.0025	0.00034 (J)			
4/2/2019				<0.0025	<0.0025	<0.0025
9/17/2019	<0.0025	<0.0025	0.00046 (J)	<0.0025	0.00035 (J)	<0.0025
2/19/2020	0.00026 (J)	<0.0025	0.00045 (J)	<0.0025		<0.0025
2/20/2020					0.00049 (J)	
3/23/2020						<0.0025
3/24/2020				<0.0025		
3/25/2020	<0.0025					
3/26/2020					0.00033 (J)	
3/27/2020		0.00053 (J)	0.00059 (J)			
9/14/2020	<0.0025					
9/15/2020		0.0002 (J)	0.00053 (J)	<0.0025	0.0003 (J)	0.00018 (J)
2/9/2021	<0.0025	<0.0025	0.00044 (J)			
2/10/2021				0.00028 (J)	0.00036 (J)	0.00019 (J)
3/30/2021					0.00025 (J)	0.00018 (J)
3/31/2021	<0.0025		0.00045 (J)			
4/1/2021				<0.0025		
4/6/2021		<0.0025				
8/18/2021				<0.0025	0.00035 (J)	
8/19/2021	<0.0025	<0.0025	0.00033 (J)			<0.0025
Mean	0.002388	0.002286	0.0007245	0.002389	0.001313	0.00192

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-19
Std. Dev.	0.0005009	0.0006593	0.0007681	0.0004964	0.001102	0.00103
Upper Lim.	0.0025	0.0025	0.00053	0.0025	0.0025	0.0025
Lower Lim.	0.00026	0.00053	0.00037	0.00028	0.00033	0.0002

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-22	SGWC-6	SGWC-8
5/11/2016			<0.0025	<0.0025
5/12/2016	0.000742 (J)	<0.0025		
6/27/2016			<0.0025	<0.0025
6/29/2016	0.0007 (J)	<0.0025		
8/17/2016			<0.0025	<0.0025
8/19/2016		<0.0025		
8/22/2016	0.00074 (J)			
10/17/2016			<0.0025	<0.0025
10/18/2016	0.00075 (J)	<0.0025		
12/6/2016			<0.0025	<0.0025
12/7/2016		<0.0025		
12/8/2016	0.00093 (J)			
2/14/2017			<0.0025	<0.0025
2/16/2017	0.00091 (J)	<0.0025		
4/12/2017			<0.0025	<0.0025
4/13/2017	0.00065 (J)	<0.0025		
6/27/2017			<0.0025	<0.0025
6/28/2017	0.00073 (J)	<0.0025		
3/27/2018			<0.0025	<0.0025
3/28/2018	0.00079 (J)	<0.0025		
6/6/2018			<0.0025	<0.0025
6/7/2018	0.00086 (J)	<0.0025		
10/8/2018		<0.0025	<0.0025	
10/9/2018				<0.0025
10/18/2018	0.00079 (J)			
2/19/2019		<0.0025		
2/20/2019	0.00077 (J)		<0.0025	<0.0025
4/1/2019				<0.0025
4/2/2019	0.00043 (J)	<0.0025	<0.0025	
9/16/2019			<0.0025	
9/17/2019	0.00057 (J)			0.00019 (J)
9/18/2019		<0.0025		
2/18/2020	0.00052 (J)	<0.0025	<0.0025	<0.0025
3/23/2020	0.00077 (J)			
3/24/2020		<0.0025		
3/25/2020			0.0002 (J)	0.0003 (J)
9/14/2020			<0.0025	<0.0025
9/15/2020	0.00078 (J)	0.00033 (J)		
2/9/2021			<0.0025	<0.0025
2/10/2021	0.0009 (J)	<0.0025		
3/30/2021	0.00058 (J)			
3/31/2021		<0.0025		
4/1/2021			<0.0025	<0.0025
8/18/2021		<0.0025	<0.0025	<0.0025
8/19/2021	0.00091 (J)			
Mean	0.0007411	0.002391	0.002385	0.002274
Std. Dev.	0.000136	0.0004852	0.0005143	0.0006943
Upper Lim.	0.0008183	0.0025	0.0025	0.0025
Lower Lim.	0.0006639	0.00033	0.0002	0.0003

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.0025					
5/12/2016		0.000136 (J)	0.000265 (J)			0.000108 (J)
5/13/2016				0.00016 (J)	<0.0025	
6/28/2016	<0.0025	<0.0025	0.0003 (J)			
6/29/2016					<0.0025	0.0001 (J)
6/30/2016				0.0002 (J)		
8/17/2016	<0.0025					
8/18/2016		<0.0025	<0.0025			
8/22/2016				<0.0025	<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025				
10/18/2016			<0.0025		<0.0025	<0.0025
10/19/2016				<0.0025		
12/6/2016	<0.0025					
12/7/2016		<0.0025	<0.0025	<0.0025		
12/8/2016					<0.0025	<0.0025
2/15/2017	<0.0025	<0.0025	0.00044 (J)			
2/16/2017				<0.0025	0.00036 (J)	<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025			
4/13/2017				<0.0025	<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025			
6/28/2017				<0.0025	<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025			
3/28/2018				<0.0025	<0.0025	<0.0025
10/8/2018		<0.0025				
10/9/2018					<0.0025	
10/16/2018	<0.0025		<0.0025			
10/18/2018				<0.0025		<0.0025
2/20/2019	<0.0025	<0.0025	0.00033 (J)	0.00023 (J)	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025	<0.0025			
4/2/2019				<0.0025	<0.0025	<0.0025
9/16/2019	<0.0025					
9/17/2019		<0.0025	0.00034 (J)	0.00018 (J)	<0.0025	<0.0025
2/18/2020	<0.0025					<0.0025
2/19/2020		<0.0025	0.0003 (J)		<0.0025	
2/20/2020				0.00032 (J)		
3/23/2020					<0.0025	<0.0025
3/25/2020	<0.0025					
3/26/2020				<0.0025		
3/27/2020		0.00057 (J)	0.00042 (J)			
9/14/2020	<0.0025					
9/15/2020		<0.0025	0.00032 (J)	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	0.0003 (J)			
2/10/2021				0.00035 (J)	<0.0025	<0.0025
3/30/2021				<0.0025	<0.0025	<0.0025
3/31/2021			0.00027 (J)			
4/6/2021		<0.0025				
4/7/2021	<0.0025					
8/18/2021				<0.0025		
8/19/2021	0.00022 (J)	<0.0025	0.00026 (J)		<0.0025	<0.0025
Mean	0.00238	0.002274	0.001239	0.001786	0.002387	0.002248
Std. Dev.	0.0005231	0.0006808	0.001106	0.00108	0.0004909	0.0007555
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19	SGWC-20
Lower Lim.	0.00022	0.00057	0.0003	0.00023	0.00036	0.000108

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-6	SGWC-8
5/11/2016		<0.0025	<0.0025
5/12/2016	<0.0025		
6/27/2016		<0.0025	<0.0025
6/29/2016	<0.0025		
8/17/2016		<0.0025	<0.0025
8/22/2016	<0.0025		
10/17/2016		<0.0025	<0.0025
10/18/2016	<0.0025		
12/6/2016		<0.0025	<0.0025
12/7/2016	<0.0025		
2/14/2017		<0.0025	<0.0025
2/16/2017	0.00039 (J)		
4/12/2017		<0.0025	<0.0025
4/13/2017	<0.0025		
6/27/2017		<0.0025	<0.0025
6/28/2017	<0.0025		
3/27/2018		<0.0025	<0.0025
3/28/2018	<0.0025		
10/8/2018	<0.0025	<0.0025	
10/9/2018			<0.0025
2/20/2019	<0.0025	<0.0025	<0.0025
4/1/2019			<0.0025
4/2/2019	<0.0025	<0.0025	
9/16/2019		<0.0025	
9/17/2019	<0.0025		<0.0025
2/18/2020	<0.0025	<0.0025	<0.0025
3/23/2020	<0.0025		
3/25/2020		0.00022 (J)	0.00031 (J)
9/14/2020		<0.0025	<0.0025
9/15/2020	<0.0025		
2/9/2021		<0.0025	<0.0025
2/10/2021	<0.0025		
3/30/2021	<0.0025		
4/1/2021		<0.0025	<0.0025
8/18/2021	<0.0025	<0.0025	<0.0025
Mean	0.002389	0.00238	0.002385
Std. Dev.	0.0004841	0.0005231	0.0005024
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	0.00039	0.00022	0.00031

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17
5/11/2016	<0.002					
5/12/2016		<0.002	<0.002	0.0335	0.00943 (J)	0.0077 (J)
6/28/2016	<0.002	<0.002	0.0008 (J)	0.0339	0.0093 (J)	
6/29/2016						0.0036 (J)
8/18/2016	<0.002	<0.002	<0.002	0.034	0.0085	0.0027
10/17/2016	0.0023 (J)	<0.002	0.0012 (J)			
10/18/2016				0.033	0.0088	
10/19/2016						0.00335 (D)
12/6/2016	<0.002	<0.002				
12/7/2016			0.0012 (J)	0.032	0.0079	0.0027
2/15/2017	<0.002	<0.002	<0.002	0.03		0.0044
2/16/2017					0.0097	
4/12/2017	<0.002	<0.002	<0.002	0.035		
4/13/2017					0.0098	0.0047
6/27/2017	<0.002	<0.002	<0.002	0.035	0.0096	0.0029
3/27/2018	<0.002	<0.002	<0.002	0.031	0.0098	0.0045
6/6/2018	<0.002					
6/7/2018		<0.002	<0.002	0.032	0.01	0.0083
10/8/2018	<0.002	<0.002	<0.002		0.013	0.0055
10/16/2018				0.032		
2/20/2019	<0.002	<0.002	0.0016 (J)	0.038	0.013	0.0061
4/1/2019	<0.002	<0.002	<0.002	0.032		
4/2/2019					0.01	0.004
9/16/2019	<0.002					
9/17/2019		0.0017 (J)	0.0026	0.037	0.013	0.0078
2/19/2020	<0.002	<0.002	<0.002	0.038	0.014	0.0045
3/24/2020						0.0079
3/26/2020	<0.002					
3/27/2020		<0.002	0.0019 (J)	0.034	0.011	
9/14/2020	<0.002	<0.002				
9/15/2020			<0.002	0.034	0.012	0.0091
2/9/2021	<0.002	<0.002	<0.002	0.035	0.012	
2/10/2021						0.008
3/31/2021				0.034		
4/1/2021					0.012	0.0046
4/6/2021			<0.002			
4/7/2021	<0.002	<0.002				
8/18/2021						0.012
8/19/2021		<0.002	<0.002	0.032	0.011	
8/20/2021	<0.002					
Mean	0.002015	0.001985	0.001865	0.03377	0.01069	0.005718
Std. Dev.	6.708E-05	6.708E-05	0.0003897	0.002167	0.001727	0.002536
Upper Lim.	0.0023	0.002	0.002	0.035	0.01167	0.007158
Lower Lim.	0.002	0.0017	0.0019	0.03254	0.009711	0.004277

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
5/12/2016			<0.002	<0.002	<0.002	<0.002
5/13/2016	0.00771 (J)	0.0151				
6/29/2016		0.0141	0.0009 (J)	0.0012 (J)	0.0007 (J)	0.0013 (J)
6/30/2016	0.007 (J)					
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	0.0064					
12/7/2016	0.0063			<0.002	<0.002	<0.002
12/8/2016		0.013	<0.002			
2/15/2017						<0.002
2/16/2017	0.007	0.015	<0.002	<0.002	<0.002	
4/13/2017	0.0061	0.016	<0.002	<0.002	<0.002	0.0014 (J)
6/28/2017	0.0059	0.016	<0.002	<0.002	<0.002	0.0025
3/27/2018						0.0012 (J)
3/28/2018	0.0082	0.014	<0.002	<0.002	<0.002	
6/7/2018			<0.002	<0.002	<0.002	<0.002
6/8/2018	0.0086	0.015				
10/8/2018				<0.002	0.0012 (J)	0.0017 (J)
10/9/2018		0.017				
10/18/2018	0.009		<0.002			
2/19/2019					<0.002	<0.002
2/20/2019	0.011	0.017	<0.002	0.0015 (J)		
4/2/2019	0.0092	0.014	<0.002	<0.002	0.0012 (J)	0.0011 (J)
9/17/2019	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		0.017				
2/20/2020	0.011					
3/23/2020		0.015	<0.002	<0.002		
3/24/2020					<0.002	<0.002
3/26/2020	0.0096					
9/15/2020	0.01	0.015	<0.002	0.002	0.0025	0.0017 (J)
2/10/2021	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)
8/18/2021	0.019			0.0022	<0.002	0.0019 (J)
8/19/2021		0.014	<0.002			
Mean	0.008991	0.01506	0.001955	0.001925	0.00185	0.001825
Std. Dev.	0.002916	0.001272	0.0002523	0.0002268	0.0004249	0.0003654
Upper Lim.	0.01027	0.01578	0.0022	0.0022	0.0024	0.001751
Lower Lim.	0.007378	0.01434	0.0009	0.002	0.0015	0.001307

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8
5/11/2016	<0.002	<0.002
6/27/2016	<0.002	<0.002
8/17/2016	<0.002	<0.002
10/17/2016		<0.002
10/18/2016	<0.002	
12/6/2016	<0.002	<0.002
2/14/2017	<0.002	<0.002
4/12/2017	<0.002	0.0011 (J)
6/27/2017	<0.002	<0.002
3/27/2018	<0.002	0.0012 (J)
6/6/2018	<0.002	0.0013 (J)
10/9/2018	<0.002	0.0016 (J)
2/20/2019	<0.002	0.0021 (J)
4/1/2019	<0.002	0.0013 (J)
9/17/2019	<0.002	0.0031
2/18/2020	<0.002	0.0015 (J)
3/25/2020		<0.002
3/26/2020	<0.002	
9/14/2020	<0.002	<0.002
2/9/2021	<0.002	<0.002
4/1/2021	<0.002	<0.002
8/18/2021	0.0026	<0.002
Mean	0.00203	0.00186
Std. Dev.	0.0001342	0.0004394
Upper Lim.	0.0026	0.0021
Lower Lim.	0.002	0.0015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.0191	0.0378	0.00648 (J)			
5/12/2016				0.0145	0.00605 (J)	0.267
6/28/2016	0.0192	0.0332	0.0051 (J)	0.011	0.0115	0.255
8/17/2016	0.022	0.03				
8/18/2016			0.0035	0.0099	0.011	0.26
10/17/2016	0.05	0.032	0.003	0.01	0.017	
10/18/2016						0.28
12/6/2016	0.04	0.029	0.0036	0.0079		
12/7/2016					0.0043	0.26
2/15/2017	0.038	0.029	0.004	0.0073	0.0059	0.24
4/12/2017	0.018	0.028	0.0039	0.0078	0.017	0.28
6/27/2017	0.014	0.029	0.0042	0.0068	0.013	0.29
3/27/2018	0.026	0.024	0.0035	0.0035	0.0083	0.27
6/6/2018	0.018	0.026	0.0038			
6/7/2018				0.0039	0.0025	0.3
10/8/2018			0.0037	0.0036	0.0071	
10/9/2018	0.03					
10/16/2018		0.023				0.27
2/20/2019	0.034	0.024	0.0032	0.004	0.011	0.26
4/1/2019	0.025	0.021	0.0029	0.003	0.014	0.26
9/16/2019		0.022	0.003			
9/17/2019	0.022			0.0024 (J)	0.0096	0.27
2/18/2020		0.018				
2/19/2020	0.027		0.0027	0.0018 (J)	0.0099	0.28
3/25/2020	0.029	0.024				
3/26/2020			0.0024 (J)			
3/27/2020				0.002 (J)	0.0093	0.28
9/14/2020	0.022	0.019	0.001 (J)	0.0022 (J)		
9/15/2020					0.0076	0.25
2/9/2021	0.03	0.019	0.0014 (J)	0.0024 (J)	0.0052	0.26
3/31/2021	0.026					0.26
4/6/2021					0.0072	
4/7/2021		0.019	0.0017 (J)	0.0018 (J)		
8/19/2021	0.022	0.014		0.0021 (J)	0.0047	0.27
8/20/2021			0.0019 (J)			
Mean	0.02657	0.02505	0.003249	0.005395	0.009108	0.2681
Std. Dev.	0.008725	0.005952	0.001267	0.003746	0.004034	0.01407
Upper Lim.	0.03152	0.02843	0.003968	0.006948	0.0114	0.2761
Lower Lim.	0.02161	0.02167	0.00253	0.003095	0.006817	0.2601

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.00303 (J)	<0.0025			0.261	<0.0025
5/13/2016			0.116	<0.0025		
6/28/2016	0.0029 (J)					
6/29/2016		0.0007 (J)		0.0006 (J)	0.23	<0.0025
6/30/2016			0.112			
8/18/2016	0.0029	0.00078 (J)				
8/22/2016			0.13	0.00066 (J)	0.25	<0.0025
10/18/2016	0.0034			0.00095 (J)	0.26	<0.0025
10/19/2016		0.000845 (JD)	0.14			
12/7/2016	0.003	0.00056 (J)	0.11			<0.0025
12/8/2016				0.00078 (J)	0.26	
2/15/2017		0.00069 (J)				
2/16/2017	0.0033		0.11	0.00049 (J)	0.23	<0.0025
4/13/2017	0.0034	0.00049 (J)	0.094	<0.0025	0.19	<0.0025
6/27/2017	0.0037	0.00041 (J)				
6/28/2017			0.085	<0.0025	0.19	<0.0025
3/27/2018	0.0037	<0.0025				
3/28/2018			0.16	<0.0025	0.18	<0.0025
6/7/2018	0.0037	<0.0025			0.21	<0.0025
6/8/2018			0.19	<0.0025		
10/8/2018	0.0044	0.00046 (J)				<0.0025
10/9/2018				<0.0025		
10/18/2018			0.21		0.16	
2/20/2019	0.0038	0.00035 (J)	0.19	0.00012 (J)	0.18	0.00011 (J)
4/2/2019	0.0041	<0.0025	0.18	<0.0025	0.13	<0.0025
9/17/2019	0.0042	0.00048 (J)	0.16	0.00013 (J)	0.13	8.7E-05 (J)
2/18/2020					0.12	0.00014 (J)
2/19/2020	0.0047	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)				
3/26/2020			0.15			
3/27/2020	0.0047					
9/15/2020	0.0043	0.00041 (J)	0.12	0.00016 (J)	0.098	0.00022 (J)
2/9/2021	0.0045					
2/10/2021		0.00049 (J)	0.11	0.00013 (J)	0.17	0.00017 (J)
3/30/2021			0.11	<0.0025	0.15	0.00016 (J)
4/1/2021	0.0049	0.00041 (J)				
8/18/2021		0.00043 (J)	0.095			0.00016 (J)
8/19/2021	0.0051			<0.0025	0.2	
Mean	0.003887	0.0009142	0.1356	0.001458	0.191	0.00156
Std. Dev.	0.0006948	0.0008249	0.03601	0.001091	0.04957	0.001181
Upper Lim.	0.004281	0.000845	0.156	0.0025	0.2191	0.0025
Lower Lim.	0.003492	0.00041	0.1152	0.00016	0.1628	0.00016

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			<0.0025	0.0116	0.00265 (J)	0.0156
5/12/2016	0.00619 (J)	<0.0025				
6/27/2016			0.002 (J)	0.0143	0.0012 (J)	
6/29/2016	0.0051 (J)	<0.0025				0.0147
8/17/2016			0.0018 (J)	0.012	0.00049 (J)	
8/19/2016	0.0045	<0.0025				
8/22/2016						0.017
10/17/2016			0.0016 (J)		<0.0025	
10/18/2016	0.0043	<0.0025		0.0099		0.017
12/6/2016			0.0012 (J)	0.011	<0.0025	
12/7/2016	0.0034	<0.0025				0.014
2/14/2017			0.0022 (J)	0.0093	<0.0025	
2/15/2017		<0.0025				
2/16/2017	0.0031					0.014
4/12/2017			0.0023 (J)	0.0062	<0.0025	
4/13/2017	0.0031	<0.0025				0.014
6/27/2017			0.0045	0.021	<0.0025	0.013
6/28/2017	0.0029	<0.0025				
3/27/2018		<0.0025	0.004	0.0054	<0.0025	
3/28/2018	0.0022 (J)					0.0087
6/6/2018			0.0021 (J)	0.0034	<0.0025	0.0064
6/7/2018	0.0022 (J)	<0.0025				
10/8/2018	0.0021 (J)	<0.0025	<0.0025			
10/9/2018				0.013	<0.0025	0.0049
2/19/2019	0.0018 (J)	<0.0025				
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	0.0018 (J)	<0.0025	<0.0025			
9/16/2019			0.00013 (J)			0.001 (J)
9/17/2019				0.0039	0.00013 (J)	
9/18/2019	0.002 (J)	0.00013 (J)				
2/18/2020	0.0018 (J)	<0.0025	<0.0025	0.0067	<0.0025	
2/19/2020						0.0082
3/24/2020	0.0016 (J)	<0.0025				
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)
9/15/2020	0.0014 (J)	<0.0025				
2/9/2021			<0.0025	0.0069	<0.0025	0.0032
2/10/2021	0.0015 (J)	<0.0025				
3/31/2021	0.0011 (J)	<0.0025				0.0046
4/1/2021			<0.0025	0.0029	<0.0025	
8/18/2021	0.001 (J)	<0.0025	0.00024 (J)	0.0021 (J)	0.00021 (J)	
8/19/2021						0.00072 (J)
Mean	0.002655	0.002381	0.001997	0.007975	0.001882	0.009195
Std. Dev.	0.001416	0.0005299	0.001173	0.00476	0.001008	0.005551
Upper Lim.	0.003459	0.0025	0.002257	0.01068	0.0025	0.01235
Lower Lim.	0.00185	0.00013	0.0008752	0.005272	0.00049	0.006043

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.26 (U)	0.182 (U)	0.433			
5/12/2016				0.0531 (U)	0.106 (U)	0.344 (U)
6/28/2016	1.57	0.858	0.435 (U)	0.483 (U)	0.735 (U)	0.256 (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)
10/17/2016	-0.0725 (U)	0.551	0.316 (U)	0.472	-0.187 (U)	
10/18/2016						0.171 (U)
12/6/2016	0.496	0.438	0.0575 (U)	0.903		
12/7/2016					0.701	0.375 (U)
2/15/2017	0.321 (U)	-0.0831 (U)	-0.0321 (U)	-0.223 (U)	0.155 (U)	0.0801 (U)
4/12/2017	-0.0397 (U)	0.343 (U)	0.00949 (U)	0.21 (U)	0.233 (U)	0.197 (U)
6/27/2017	0.47	0.369	0.183 (U)	0.0574 (U)	0.302	0.0274 (U)
3/27/2018	0.136 (U)	0.172 (U)	0.445	0.145 (U)	0.306 (U)	0.285 (U)
6/6/2018	0.123 (U)	0.153 (U)	0.0775 (U)			
6/7/2018				0.235 (U)	0.211 (U)	0.64
10/8/2018			0.865	0.64	0.636	
10/9/2018	0.387					
10/16/2018		1.06				0.731
2/20/2019	0.0159 (U)	0.708	0.161 (U)	0.222 (U)	0.147 (U)	0.573
4/1/2019	0.452	0.173 (U)	0.372	0.36	-0.138 (U)	0.0499 (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)
2/18/2020		0.203 (U)				
2/19/2020	0.0222 (U)		0.166 (U)	0.218 (U)	0.0061 (U)	0.415 (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)
9/14/2020	0.125 (U)	-0.0264 (U)	0.575	0.613		
9/15/2020					0.131 (U)	0.546
2/9/2021	-0.0573 (U)	0.114 (U)	0.146 (U)	0.307 (U)	-0.121 (U)	0.222 (U)
3/31/2021	0.188 (U)					0.311 (U)
4/6/2021					-0.0391 (U)	
4/7/2021		0.0576 (U)	0.0695 (U)	0.356 (U)		
8/19/2021	0.102 (U)	0.755		0.228 (U)	-0.0806 (U)	0.518
8/20/2021			0.0109 (U)			
Mean	0.2763	0.3425	0.2838	0.2972	0.1893	0.3538
Std. Dev.	0.3592	0.3039	0.2448	0.2432	0.2627	0.1969
Upper Lim.	0.452	0.515	0.4228	0.4353	0.3384	0.4656
Lower Lim.	0.0222	0.1699	0.1448	0.1591	0.0401	0.2419

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.0196 (U)	0.134 (U)			0.556	0.216 (U)
5/13/2016			0.103 (U)	-0.115 (U)		
6/28/2016	0.418 (U)					
6/29/2016		0.391 (U)		0.396 (U)	0.162 (U)	0.253 (U)
6/30/2016			0.593 (U)			
8/18/2016	0.199 (U)	0.498 (U)				
8/22/2016			0.17 (U)	-0.102 (U)	0.433 (U)	0.115 (U)
10/18/2016	0.0404 (U)			0.352 (U)	0.741	0.593
10/19/2016		0.639	0.433			
12/7/2016	0.426	0.239 (U)	0.435 (U)			0.897
12/8/2016				0.431 (U)	1.06	
2/15/2017		0.175 (U)				
2/16/2017	0.163 (U)		0.101 (U)	0.146 (U)	0.382 (U)	0.132 (U)
4/13/2017	0.0522 (U)	-0.00846 (U)	-0.0014 (U)	0.127 (U)	0.189 (U)	0.287 (U)
6/27/2017	0.222 (U)	0.186 (U)				
6/28/2017			0.512	0.11 (U)	0.84	0.143 (U)
3/27/2018	0.387 (U)	0.249 (U)				
3/28/2018			0.428	0.247 (U)	0.334 (U)	0.38
6/7/2018	0.283 (U)	0.172 (U)			0.235 (U)	0.514
6/8/2018			0.32 (U)	0.0462 (U)		
10/8/2018	0.799	0.682				0.374
10/9/2018				0.584		
10/18/2018			0.304 (U)		0.399	
2/20/2019	0.0684 (U)	0.278 (U)	0.139 (U)	0.114 (U)	0.353	0.239 (U)
4/2/2019	0.167 (U)	-0.0476 (U)	0.336 (U)	0.11 (U)	0.271 (U)	0.218 (U)
9/17/2019	0.558	0.235 (U)	0.449	0.302 (U)	0.591	-0.04 (U)
2/18/2020					0.474	0.287 (U)
2/19/2020	0.0321 (U)	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				
3/26/2020			0.366 (U)			
3/27/2020	0.305 (U)					
9/15/2020	-0.0426 (U)	0.661	1.74	1.55	0.831	1.6
2/9/2021	-0.00967 (U)					
2/10/2021		0.55	0.423 (U)	0.235 (U)	0.331 (U)	0.5
3/30/2021			0.439 (U)	0.511	0.572	0.955
4/1/2021	0.0901 (U)	0.0517 (U)				
8/18/2021		0.13 (U)	0.277 (U)			0.505
8/19/2021	0.037 (U)			-0.0514 (U)	-0.21 (U)	
Mean	0.2107	0.2929	0.3893	0.2736	0.4401	0.4276
Std. Dev.	0.2184	0.2192	0.3538	0.3561	0.2852	0.3703
Upper Lim.	0.3347	0.4174	0.439	0.396	0.602	0.514
Lower Lim.	0.08673	0.1684	0.17	0.11	0.2782	0.216

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.0394 (U)	0.214 (U)	2.05	0.134 (U)
5/12/2016	0.285 (U)	0.801				
6/27/2016			0.624 (U)	0.581 (U)	2.9	
6/29/2016	1.1	0.423 (U)				0.665 (U)
8/17/2016			0.572	0.665	2.57	
8/19/2016	0.367 (U)	0.869				
8/22/2016						0.391 (U)
10/17/2016			0.307 (U)		2.08	
10/18/2016	0.276 (U)	0.881		0.453		0.521
12/6/2016			0.122 (U)	0.368 (U)	2.25	
12/7/2016	0.318 (U)	0.455				0.367 (U)
2/14/2017			0.166 (U)	0.328 (U)	1.77	
2/15/2017		0.635				
2/16/2017	0.168 (U)					0.076 (U)
4/12/2017			0.355 (U)	0.206 (U)	2.72	
4/13/2017	0.3 (U)	0.413				0.239 (U)
6/27/2017			0.0783 (U)	0.598	2.07	0.268 (U)
6/28/2017	0.0844 (U)	0.331 (U)				
3/27/2018		0.61	0.0443 (U)	0.546	2.3	
3/28/2018	0.0661 (U)					0.378
6/6/2018			0.127 (U)	0.165 (U)	1.59	-0.0272 (U)
6/7/2018	0.222 (U)	0.64				
10/8/2018	0.499	0.437	0.77			
10/9/2018				0.385	3.01	0.565
2/19/2019	0.532	0.301 (U)				
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	0.313 (U)	0.516	0.3 (U)			
9/16/2019			0.0805 (U)			-0.116 (U)
9/17/2019				0.341 (U)	2.04	
9/18/2019	0.101 (U)	0.285 (U)				
2/18/2020	0.0109 (U)	0.399	-0.0675 (U)	0.326 (U)	2.06	
2/19/2020						0.0604 (U)
3/24/2020	0.188 (U)	0.183 (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)
9/15/2020	1.82	1.03				
2/9/2021			0.273 (U)	0.721	2.92	0.0162 (U)
2/10/2021	0.167 (U)	0.46				
3/31/2021	0.0687 (U)	0.37 (U)				0.153 (U)
4/1/2021			0.544	0.329 (U)	2.26	
8/18/2021	0.026 (U)	0.603	-0.0332 (U)	0.726	1.68	
8/19/2021						0.145 (U)
Mean	0.3456	0.5321	0.2648	0.4167	2.292	0.2479
Std. Dev.	0.4239	0.2243	0.2306	0.1965	0.4381	0.2207
Upper Lim.	0.4627	0.6595	0.3958	0.5283	2.54	0.3732
Lower Lim.	0.1214	0.4047	0.1339	0.3051	2.043	0.1226

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.019 (J)	0.033 (J)	0.11 (J)			
5/12/2016				0.042 (J)	0.031 (J)	0.1071 (J)
6/28/2016	<0.1	0.08 (J)	0.18 (J)	0.15 (J)	0.03 (J)	0.26 (J)
8/17/2016	<0.1	<0.1				
8/18/2016			0.12 (J)	<0.1	<0.1	0.14 (J)
10/17/2016	<0.1	<0.1	0.082 (J)	<0.1	<0.1	
10/18/2016						0.12 (J)
12/6/2016	<0.1	<0.1	0.11 (J)	<0.1		
12/7/2016					<0.1	0.13 (J)
2/15/2017	<0.1	<0.1	0.13 (J)	<0.1	<0.1	0.12 (J)
4/12/2017	<0.1	<0.1	0.088 (J)	<0.1	<0.1	0.11 (J)
6/27/2017	<0.1	<0.1	0.1 (J)	<0.1	<0.1	0.13 (J)
10/11/2017		<0.1	<0.1	<0.1	<0.1	
10/12/2017	<0.1					0.13 (J)
3/27/2018	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 (J)
6/6/2018	<0.1	<0.1	<0.1			
6/7/2018				<0.1	<0.1	0.14 (J)
10/8/2018			<0.1	<0.1	<0.1	
10/9/2018	<0.1					
10/16/2018		<0.1				0.14 (J)
2/20/2019	<0.1	<0.1	0.052 (J)	<0.1	<0.1	0.33
4/1/2019	<0.1	<0.1	0.048 (J)	<0.1	<0.1	0.072 (J)
9/16/2019		<0.1	0.065 (J)			
9/17/2019	<0.1			0.04 (J)	0.028 (J)	0.1
2/18/2020		<0.1				
2/19/2020	<0.1		0.064 (J)	0.027 (J)	0.026 (J)	0.13
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
9/14/2020	<0.1	<0.1	0.042 (J)	<0.1		
9/15/2020					0.04 (J)	0.15
2/9/2021	<0.1	<0.1	0.074 (J)	<0.1	<0.1	0.14
3/31/2021	0.047 (J)					0.12
4/6/2021					<0.1	
4/7/2021		<0.1	0.066 (J)	0.053 (J)		
8/19/2021	<0.1	<0.1		<0.1	<0.1	0.12
8/20/2021			0.082 (J)			
Mean	0.09033	0.09386	0.09019	0.08843	0.08076	0.14
Std. Dev.	0.02467	0.01712	0.03143	0.02934	0.03133	0.05537
Upper Lim.	0.1	0.1	0.0991	0.1	0.1	0.14
Lower Lim.	0.047	0.08	0.06343	0.053	0.04	0.11

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.011 (J)	0.066 (J)			0.259 (J)	0.079 (J)
5/13/2016			0.0343 (J)	0.0126 (J)		
6/28/2016	0.09 (J)					
6/29/2016		0.17 (J)		0.18 (J)	0.45	0.15 (J)
6/30/2016			0.18 (J)			
8/18/2016	<0.1	<0.1				
8/22/2016			<0.1	<0.1	0.33	0.083 (J)
10/18/2016	<0.1			<0.1	0.26	<0.1
10/19/2016		<0.1	<0.1			
12/7/2016	<0.1	<0.1	<0.1			<0.1
12/8/2016				<0.1	0.28	
2/15/2017		0.089 (J)				
2/16/2017	<0.1		<0.1	<0.1	0.28	0.12 (J)
4/13/2017	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
6/27/2017	<0.1	<0.1				
6/28/2017			<0.1	<0.1	0.22	0.1 (J)
10/12/2017	<0.1	<0.1	<0.1	<0.1	0.18 (J)	<0.1
3/27/2018	<0.1	<0.1				
3/28/2018			<0.1	<0.1	0.19 (J)	<0.1
6/7/2018	<0.1	<0.1			0.21	<0.1
6/8/2018			<0.1	<0.1		
10/8/2018	<0.1	<0.1				<0.1
10/9/2018				<0.1		
10/18/2018			<0.1		0.23	
2/20/2019	<0.1	0.034 (J)	<0.1	<0.1	0.2	0.051 (J)
4/2/2019	<0.1	0.045 (J)	0.05 (J)	<0.1	0.15 (J)	0.066 (J)
9/17/2019	<0.1	0.047 (J)	0.034 (J)	<0.1	0.14	0.077 (J)
2/18/2020					0.16	0.073 (J)
2/19/2020	<0.1	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)				
3/26/2020			0.091 (J)			
3/27/2020	0.027 (J)					
9/15/2020	0.037 (J)	0.052 (J)	<0.1	<0.1	0.15	0.061 (J)
2/9/2021	<0.1					
2/10/2021		0.03 (J)	<0.1	<0.1	0.19	0.049 (J)
3/30/2021			0.1 (J)	<0.1	0.18	0.074 (J)
4/1/2021	<0.1	0.051 (J)				
8/18/2021		0.087 (J)	0.099 (J)			0.12
8/19/2021	0.038 (J)			<0.1	0.17	
Mean	0.08586	0.07976	0.09468	0.0976	0.2228	0.0911
Std. Dev.	0.02912	0.03333	0.02921	0.02808	0.07223	0.02457
Upper Lim.	0.1	0.07263	0.1	0.18	0.2561	0.09281
Lower Lim.	0.09	0.04436	0.099	0.057	0.1829	0.06581

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.133 (J)	0.245 (J)	0.362	0.076 (J)
5/12/2016	0.029 (J)	0.0341 (J)				
6/27/2016			0.21 (J)	0.23 (J)	0.45	
6/29/2016	0.04 (J)	0.04 (J)				0.13 (J)
8/17/2016			0.14 (J)	0.22	0.54	
8/19/2016	<0.1	<0.1				
8/22/2016						<0.1
10/17/2016			0.11 (J)		0.51	
10/18/2016	<0.1	<0.1		0.24		<0.1
12/6/2016			0.14 (J)	0.26	0.58	
12/7/2016	<0.1	<0.1				<0.1
2/14/2017			0.2	0.17 (J)	0.39	
2/15/2017		0.092 (J)				
2/16/2017	0.1 (J)					0.097 (J)
4/12/2017			0.089 (J)	0.2	0.41	
4/13/2017	<0.1	<0.1				<0.1
6/27/2017			0.085 (J)	0.23	0.47	<0.1
6/28/2017	<0.1	<0.1				
10/11/2017			0.089 (J)	0.21		
10/12/2017	<0.1	<0.1			0.47	<0.1
3/27/2018		<0.1	<0.1	0.19 (J)	0.4	
3/28/2018	<0.1					<0.1
6/6/2018			<0.1	0.2	0.4	<0.1
6/7/2018	<0.1	<0.1				
10/8/2018	<0.1	<0.1	<0.1			
10/9/2018				0.2	0.47	<0.1
2/19/2019	<0.1	0.055 (J)				
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	0.036 (J)	0.1 (J)			
9/16/2019			0.099 (J)			0.057 (J)
9/17/2019				0.2	0.47	
9/18/2019	0.028 (J)	0.044 (J)				
2/18/2020	<0.1	0.082 (J)	0.11	0.2	0.38	
2/19/2020						0.061 (J)
3/24/2020	<0.1	0.081 (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)
9/15/2020	<0.1	0.052 (J)				
2/9/2021			0.12	0.22	0.37	0.05 (J)
2/10/2021	<0.1	0.046 (J)				
3/31/2021	<0.1	0.046 (J)				0.073 (J)
4/1/2021			0.14	0.25	0.38	
8/18/2021	0.054 (J)	0.11	0.19	0.31	0.48	
8/19/2021						0.078 (J)
Mean	0.08814	0.07705	0.1216	0.2069	0.4125	0.08348
Std. Dev.	0.02548	0.0275	0.03803	0.04616	0.08814	0.02388
Upper Lim.	0.1	0.1	0.1395	0.2324	0.4611	0.0808
Lower Lim.	0.1	0.046	0.1002	0.1814	0.3639	0.05677

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17
5/11/2016	<0.001					
5/12/2016		<0.001	<0.001	<0.001	<0.001	<0.001
6/28/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/29/2016						<0.001
8/17/2016	<0.001					
8/18/2016		<0.001	<0.001	<0.001	<0.001	<0.001
10/17/2016	<0.001	<0.001	<0.001			
10/18/2016				<0.001	<0.001	
10/19/2016						<0.001
12/6/2016	<0.001	<0.001				
12/7/2016			<0.001	<0.001	<0.001	<0.001
2/15/2017	<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		
4/13/2017					<0.001	<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	0.00039 (J)	<0.001	<0.001	<0.001	<0.001
6/6/2018	<0.001					
6/7/2018		<0.001	<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		
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001	<0.001	<0.001		
4/2/2019					<0.001	<0.001
9/17/2019	0.00013 (J)	<0.001	0.00016 (J)	<0.001	<0.001	<0.001
2/19/2020	0.00014 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/24/2020						<0.001
3/25/2020	<0.001					
3/27/2020		<0.001	0.00066 (J)	0.00023 (J)	0.00013 (J)	
9/14/2020	<0.001	<0.001				
9/15/2020			<0.001	<0.001	<0.001	<0.001
2/9/2021	0.00013 (J)	<0.001	<0.001	<0.001	<0.001	
2/10/2021						0.00017 (J)
3/31/2021	<0.001			<0.001		
4/1/2021					<0.001	<0.001
4/6/2021			<0.001			
4/7/2021		<0.001				
8/18/2021						<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
Mean	0.00087	0.0009695	0.000941	0.0009615	0.0009565	0.0009585
Std. Dev.	0.0003175	0.0001364	0.0001989	0.0001722	0.0001945	0.0001856
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00014	0.00039	0.00066	0.00023	0.00013	0.00017

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-20	SGWC-21	SGWC-22	SGWC-23	SGWC-6
5/11/2016						<0.001
5/12/2016		<0.001	<0.001	<0.001	<0.001	
5/13/2016	<0.001					
6/27/2016						<0.001
6/29/2016		0.0005 (J)	9E-05 (J)	<0.001	9E-05 (J)	
6/30/2016	<0.001					
8/17/2016						<0.001
8/19/2016				<0.001	<0.001	
8/22/2016	<0.001	<0.001	<0.001			
10/17/2016						<0.001
10/18/2016		<0.001	<0.001	<0.001	<0.001	
10/19/2016	<0.001					
12/6/2016						<0.001
12/7/2016	<0.001		<0.001	<0.001	<0.001	
12/8/2016		<0.001				
2/14/2017						<0.001
2/15/2017					<0.001	
2/16/2017	<0.001	0.00035 (J)	<0.001	<0.001		
4/12/2017						<0.001
4/13/2017	<0.001	<0.001	<0.001	<0.001	<0.001	
6/27/2017						<0.001
6/28/2017	<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		
6/6/2018						<0.001
6/7/2018		<0.001	<0.001	<0.001	<0.001	
6/8/2018	<0.001					
10/8/2018			<0.001	<0.001	<0.001	<0.001
10/18/2018	<0.001	<0.001				
2/19/2019				<0.001	<0.001	
2/20/2019	<0.001	0.00027 (J)	<0.001			<0.001
4/2/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019						<0.001
9/17/2019	<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	<0.001
2/20/2020	<0.001					
3/23/2020		0.00023 (J)	<0.001			
3/24/2020				<0.001	<0.001	
3/25/2020						0.0002 (J)
3/26/2020	<0.001					
9/14/2020						<0.001
9/15/2020	<0.001	0.00017 (J)	0.00022 (J)	0.00019 (J)	<0.001	
2/9/2021						<0.001
2/10/2021	0.00029 (J)	0.0003 (J)	0.00016 (J)	0.00016 (J)	<0.001	
3/30/2021	<0.001	0.00018 (J)	0.0002 (J)			
3/31/2021				0.00015 (J)	<0.001	
4/1/2021						<0.001
8/18/2021	0.00071 (J)		0.00041 (J)	<0.001	<0.001	<0.001
8/19/2021		0.00034 (J)				
Mean	0.00095	0.0006125	0.000804	0.000834	0.0009545	0.00096
Std. Dev.	0.0001683	0.0003667	0.0003526	0.0003407	0.0002035	0.0001789

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-20	SGWC-21	SGWC-22	SGWC-23	SGWC-6
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00071	0.00025	0.00041	0.00019	9E-05	0.0002

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8
5/11/2016	<0.001	<0.001
6/27/2016	<0.001	<0.001
8/17/2016	0.00085 (J)	<0.001
10/17/2016		<0.001
10/18/2016	<0.001	
12/6/2016	<0.001	<0.001
2/14/2017	<0.001	<0.001
4/12/2017	<0.001	<0.001
6/27/2017	<0.001	<0.001
3/27/2018	<0.001	<0.001
6/6/2018	<0.001	<0.001
10/9/2018	<0.001	<0.001
2/20/2019	<0.001	<0.001
4/1/2019	<0.001	<0.001
9/17/2019	<0.001	<0.001
2/18/2020	<0.001	<0.001
3/25/2020		0.00029 (J)
3/26/2020	<0.001	
9/14/2020	<0.001	<0.001
2/9/2021	0.00014 (J)	0.00062 (J)
4/1/2021	0.00015 (J)	<0.001
8/18/2021	<0.001	<0.001
Mean	0.000907	0.0009455
Std. Dev.	0.0002627	0.0001761
Upper Lim.	0.001	0.001
Lower Lim.	0.00085	0.00062

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005				
5/12/2016			<0.005	<0.005	<0.005	<0.005
6/28/2016	0.0013 (J)	<0.005	<0.005	<0.005	0.0024 (J)	<0.005
8/17/2016	<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		
10/18/2016					<0.005	<0.005
12/6/2016	<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	
2/16/2017						<0.005
4/12/2017	<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
3/27/2018	0.0029 (J)	<0.005	<0.005	<0.005	0.0034 (J)	<0.005
6/6/2018	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)
10/16/2018	0.0031 (J)				0.0034 (J)	
2/20/2019	0.0031 (J)	<0.005	<0.005	<0.005	0.0038 (J)	<0.005
4/1/2019	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	0.0037	<0.005
2/18/2020	<0.005					
2/19/2020		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<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			
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
3/31/2021					<0.005	
4/1/2021						<0.005
4/6/2021				<0.005		
4/7/2021	<0.005	<0.005	<0.005			
8/19/2021	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021		<0.005				
Mean	0.00419	0.004805	0.00482	0.004805	0.004235	0.004825
Std. Dev.	0.001337	0.0008721	0.000805	0.0008721	0.0009371	0.0007826
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0031	0.0011	0.0014	0.0011	0.0034	0.0015

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22
5/12/2016	<0.005			<0.05 (O)	<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
6/30/2016		0.0032 (J)				
8/18/2016	<0.005					
8/19/2016						<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
10/19/2016	<0.005	0.0042 (J)				
12/7/2016	<0.005	<0.005			<0.005	<0.005
12/8/2016			<0.005	0.0043 (J)		
2/15/2017	<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
6/27/2017	<0.005					
6/28/2017		<0.005	<0.005	0.0032 (J)	<0.005	<0.005
3/27/2018	0.0014 (J)					
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
6/8/2018		0.0042 (J)	0.0022 (J)			
10/8/2018	<0.005				0.0019 (J)	0.0011 (J)
10/9/2018			<0.005			
10/18/2018		0.0054		0.0062		
2/19/2019						<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)
9/17/2019	<0.005	0.005	<0.005	0.0042	<0.005	
9/18/2019						<0.005
2/18/2020				0.0036 (J)	<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
3/26/2020		0.0046 (J)				
9/15/2020	<0.005	0.0049 (J)	<0.005	0.0037 (J)	<0.005	<0.005
2/10/2021	<0.005	0.0055	<0.005	0.0047 (J)	<0.005	<0.005
3/30/2021		0.0043 (J)	<0.005	<0.005	<0.005	
3/31/2021						<0.005
4/1/2021	<0.005					
8/18/2021	<0.005	0.0047 (J)			<0.005	<0.005
8/19/2021			<0.005	0.0046 (J)		
Mean	0.00482	0.0047	0.004715	0.004442	0.004485	0.0046
Std. Dev.	0.000805	0.0006497	0.0008774	0.0006995	0.001141	0.001043
Upper Lim.	0.005	0.004799	0.005	0.004852	0.005	0.005
Lower Lim.	0.0014	0.003991	0.0022	0.004033	0.0038	0.0033

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-7	SGWC-8
5/11/2016		<0.05 (O)	<0.005
5/12/2016	<0.005		
6/27/2016		0.0031 (J)	0.0013 (J)
6/29/2016	0.0027 (J)		
8/17/2016		0.0046 (J)	<0.005
8/19/2016	<0.005		
10/17/2016			<0.005
10/18/2016	0.0032 (J)	0.0036 (J)	
12/6/2016		0.0043 (J)	<0.005
12/7/2016	0.0043 (J)		
2/14/2017		0.0043 (J)	<0.005
2/15/2017	<0.005		
4/12/2017		0.0051	<0.005
4/13/2017	0.0036 (J)		
6/27/2017		0.0033 (J)	<0.005
6/28/2017	0.0032 (J)		
3/27/2018	0.005	0.0061	0.0023 (J)
6/6/2018		0.004 (J)	0.0018 (J)
6/7/2018	0.0027 (J)		
10/8/2018	0.0035 (J)		
10/9/2018		0.0053	0.002 (J)
2/19/2019	<0.005		
2/20/2019		0.006	<0.005
4/1/2019		0.0058	0.0021 (J)
4/2/2019	0.0041 (J)		
9/17/2019		0.0049	<0.005
9/18/2019	0.0043		
2/18/2020	<0.005	0.0052	<0.005
3/24/2020	<0.005		
3/25/2020			<0.005
3/26/2020		0.006	
9/14/2020		0.0051	<0.005
9/15/2020	<0.005		
2/9/2021		0.0052	<0.005
2/10/2021	<0.005		
3/31/2021	<0.005		
4/1/2021		0.0053	<0.005
8/18/2021	<0.005	0.0034 (J)	<0.005
Mean	0.00433	0.004768	0.004225
Std. Dev.	0.0008609	0.0009511	0.001388
Upper Lim.	0.005	0.005325	0.005
Lower Lim.	0.0035	0.004212	0.0023

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.0002	<0.0002	<0.0002			
5/12/2016				<0.0002	<0.0002	<0.0002
6/28/2016	<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)
10/17/2016	<0.0002	<0.0002	<0.0002	<0.0002	8.9E-05 (J)	
10/18/2016						0.00012 (J)
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)
2/15/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00011 (J)
4/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.2E-05 (J)
6/27/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	8.4E-05 (J)
3/27/2018	<0.0002	<0.0002	<0.0002	<0.0002	0.0001 (J)	0.00014 (J)
6/6/2018	<0.0002	<0.0002	<0.0002			
6/7/2018				<0.0002	<0.0002	0.00013 (J)
10/8/2018			<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
4/1/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/16/2019		<0.0002	<0.0002			
9/17/2019	<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)
3/25/2020	<0.0002	<0.0002				
3/26/2020			<0.0002			
3/27/2020				<0.0002	<0.0002	0.00011 (J)
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002		
9/15/2020					<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)
3/31/2021	<0.0002					0.00018 (J)
4/6/2021					<0.0002	
4/7/2021		<0.0002	<0.0002	<0.0002		
8/19/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
8/20/2021			<0.0002			
Mean	0.0001965	0.000195	0.0001946	0.0001955	0.0001854	0.0001558
Std. Dev.	1.565E-05	2.236E-05	2.393E-05	2.012E-05	3.59E-05	4.458E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	0.0001	9.3E-05	0.00011	0.00012	0.00011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-20	SGWC-21	SGWC-22
5/12/2016	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
5/13/2016			<0.0002			
6/28/2016	<0.0002					
6/29/2016		<0.0002		<0.0002	<0.0002	<0.0002
6/30/2016			<0.0002			
8/18/2016	<0.0002	<0.0002				
8/19/2016						<0.0002
8/22/2016			0.00014 (J)	7.3E-05 (J)	<0.0002	
10/18/2016	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2016		<0.0002	<0.0002			
12/7/2016	7.6E-05 (J)	0.00011 (J)	0.00014 (J)		0.0001 (J)	9.9E-05 (J)
12/8/2016				<0.0002		
2/15/2017		<0.0002				
2/16/2017	<0.0002		8.4E-05 (J)	<0.0002	<0.0002	<0.0002
4/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/27/2017	<0.0002	<0.0002				
6/28/2017			<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
6/7/2018	<0.0002	0.00011 (J)		8.2E-05 (J)	<0.0002	<0.0002
6/8/2018			0.00014 (J)			
10/8/2018	<0.0002	<0.0002			<0.0002	<0.0002
10/18/2018			0.00021	<0.0002		
2/19/2019						<0.0002
2/20/2019	<0.0002	<0.0002	0.00026	<0.0002	<0.0002	
4/2/2019	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002
9/17/2019	<0.0002	<0.0002	0.00014 (J)	<0.0002	<0.0002	
9/18/2019						<0.0002
2/18/2020				<0.0002	<0.0002	<0.0002
2/19/2020	<0.0002	<0.0002				
2/20/2020			0.00022			
3/23/2020				<0.0002	<0.0002	
3/24/2020		<0.0002				<0.0002
3/26/2020			0.00019 (J)			
3/27/2020	<0.0002					
9/15/2020	<0.0002	<0.0002	0.00013 (J)	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002					
2/10/2021		<0.0002	0.00018 (J)	<0.0002	<0.0002	<0.0002
3/30/2021			0.00022	0.00013 (J)	<0.0002	
3/31/2021						<0.0002
4/1/2021	<0.0002	<0.0002				
8/18/2021		0.00017 (J)	0.00022		<0.0002	<0.0002
8/19/2021	<0.0002			<0.0002		
Mean	0.0001938	0.0001895	0.0001778	0.0001842	0.000195	0.0001949
Std. Dev.	2.773E-05	2.8E-05	4.703E-05	3.973E-05	2.236E-05	2.258E-05
Upper Lim.	0.0002	0.0002	0.0001748	0.0002	0.0002	0.0002
Lower Lim.	7.6E-05	0.00017	0.0001126	0.00013	0.0001	9.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016		<0.0002	<0.0002	<0.0002	<0.0002
5/12/2016	<0.0002				
6/27/2016		<0.0002	<0.0002	<0.0002	
6/29/2016	<0.0002				<0.0002
8/17/2016		<0.0002	<0.0002	<0.0002	
8/19/2016	7.1E-05 (J)				
8/22/2016					<0.0002
10/17/2016		<0.0002		<0.0002	
10/18/2016	<0.0002		<0.0002		<0.0002
12/6/2016		0.00011 (J)	0.00011 (J)	7.6E-05 (J)	
12/7/2016	0.00011 (J)				0.0001 (J)
2/14/2017		<0.0002	<0.0002	<0.0002	
2/15/2017	<0.0002				
2/16/2017					<0.0002
4/12/2017		<0.0002	<0.0002	<0.0002	
4/13/2017	<0.0002				<0.0002
6/27/2017		<0.0002	<0.0002	<0.0002	<0.0002
6/28/2017	<0.0002				
3/27/2018	<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2018					<0.0002
6/6/2018		<0.0002	<0.0002	<0.0002	<0.0002
6/7/2018	0.00028				
10/8/2018	<0.0002	<0.0002			
10/9/2018			<0.0002	<0.0002	<0.0002
2/19/2019	<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	<0.0002			
9/16/2019		<0.0002			<0.0002
9/17/2019			<0.0002	<0.0002	
9/18/2019	<0.0002				
2/18/2020	0.00011 (J)	<0.0002	<0.0002	<0.0002	
2/19/2020					<0.0002
3/24/2020	<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
9/15/2020	<0.0002				
2/9/2021		<0.0002	<0.0002	<0.0002	<0.0002
2/10/2021	<0.0002				
3/31/2021	<0.0002				<0.0002
4/1/2021		<0.0002	<0.0002	<0.0002	
8/18/2021	<0.0002	<0.0002	<0.0002	<0.0002	
8/19/2021					<0.0002
Mean	0.0001885	0.0001955	0.0001955	0.0001938	0.000195
Std. Dev.	4.39E-05	2.012E-05	2.012E-05	2.773E-05	2.236E-05
Upper Lim.	0.00028	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00011	0.00011	0.00011	7.6E-05	0.0001

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-14	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.015		<0.015	0.00343 (J)	<0.015	<0.015
5/12/2016		<0.015				
6/27/2016			0.0007 (J)	0.0033 (J)	0.0008 (J)	
6/28/2016	0.0012 (J)	<0.015				
6/29/2016						0.0021 (J)
8/17/2016			<0.015	0.002 (J)	<0.015	
8/18/2016	0.0011 (J)	<0.015				
8/22/2016						0.00099 (J)
10/17/2016	<0.015	<0.015	<0.015		<0.015	
10/18/2016				0.0012 (J)		0.0014 (J)
12/6/2016	<0.015		<0.015	0.0021 (J)	<0.015	
12/7/2016		<0.015				0.001 (J)
2/14/2017			<0.015	<0.015	<0.015	
2/15/2017	<0.015	0.003 (J)				
2/16/2017						<0.015
4/12/2017	<0.015	<0.015	<0.015	0.0033 (J)	<0.015	
4/13/2017						0.001 (J)
6/27/2017	<0.015	<0.015	0.00099 (J)	0.0021 (J)	<0.015	<0.015
3/27/2018	<0.015	<0.015	<0.015	<0.015	<0.015	
3/28/2018						<0.015
10/8/2018	<0.015	<0.015	<0.015			
10/9/2018				<0.015	<0.015	<0.015
2/20/2019	<0.015	<0.015	<0.015	0.0013 (J)	<0.015	0.00075 (J)
4/1/2019	<0.015	<0.015		<0.015	<0.015	<0.015
4/2/2019			<0.015			
9/16/2019	<0.015		<0.015			0.00067 (J)
9/17/2019		<0.015		0.0014 (J)	<0.015	
2/18/2020			<0.015	0.0014 (J)	<0.015	
2/19/2020	<0.015	<0.015				0.00063 (J)
3/25/2020			<0.015		<0.015	<0.015
3/26/2020	<0.015			0.001 (J)		
3/27/2020		0.00081 (J)				
9/14/2020	<0.015		<0.015	0.0012 (J)	<0.015	<0.015
9/15/2020		<0.015				
2/9/2021	<0.015	<0.015	<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	
4/6/2021		<0.015				
4/7/2021	<0.015					
8/18/2021			<0.015	0.0016 (J)	<0.015	
8/19/2021		<0.015				<0.015
8/20/2021	<0.015					
Mean	0.01354	0.01362	0.01351	0.004612	0.01425	0.008377
Std. Dev.	0.004367	0.004145	0.004463	0.005563	0.003258	0.007179
Upper Lim.	0.015	0.015	0.015	0.00343	0.015	0.015
Lower Lim.	0.0012	0.003	0.00099	0.0013	0.0008	0.00075

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<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	0.0101	<0.005
8/17/2016	<0.005					
8/18/2016		0.00031 (J)	<0.005	<0.005	0.0014	0.00053 (J)
10/17/2016	<0.005	<0.005	0.0003 (J)	<0.005		
10/18/2016					0.0013	<0.005
12/6/2016	<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	0.00066 (J)	0.00075 (J)	
2/16/2017						<0.005
4/12/2017	<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	0.0013	0.001 (J)
3/27/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/6/2018	<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
10/16/2018	0.00046 (J)				0.0021	
2/20/2019	<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	
4/2/2019						0.0021
9/16/2019	<0.005	<0.005				
9/17/2019			<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
3/25/2020	<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			
9/15/2020				<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021					<0.005	
4/1/2021						<0.005
4/6/2021				<0.005		
4/7/2021	<0.005	<0.005	<0.005			
8/19/2021	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021		<0.005				
Mean	0.004773	0.004765	0.004547	0.004575	0.004105	0.003876
Std. Dev.	0.001015	0.001049	0.001395	0.001308	0.00264	0.001781
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00046	0.00031	0.00064	0.00084	0.0014	0.0014

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	SGWC-6
5/11/2016						<0.005
5/12/2016	<0.005			0.00396 (J)	<0.005	
5/13/2016		0.023	<0.005			
6/27/2016						<0.005
6/29/2016	<0.005		<0.005	0.0053 (J)	<0.005	
6/30/2016		0.0263				
8/17/2016						<0.005
8/18/2016	<0.005					
8/19/2016					<0.005	
8/22/2016		0.0066	<0.005	0.0012 (J)		
10/17/2016						<0.005
10/18/2016			<0.005	<0.005	<0.005	
10/19/2016	<0.005	0.0057				
12/6/2016						<0.005
12/7/2016	<0.005	0.006			<0.005	
12/8/2016			<0.005	<0.005		
2/14/2017						<0.005
2/15/2017	<0.005				<0.005	
2/16/2017		0.0055	<0.005	<0.005		
4/12/2017						0.00034 (J)
4/13/2017	<0.005	0.0049	<0.005	<0.005	<0.005	
6/27/2017	0.00024 (J)					0.00057 (J)
6/28/2017		0.0047	0.00096 (J)	0.00064 (J)	0.00033 (J)	
3/27/2018	<0.005				<0.005	<0.005
3/28/2018		0.0085	<0.005	<0.005		
6/6/2018						0.00032 (J)
6/7/2018	0.00064 (J)			0.00066 (J)	<0.005	
6/8/2018		0.014	0.00063 (J)			
10/8/2018	0.00028 (J)				0.00026 (J)	<0.005
10/9/2018			0.0005 (J)			
10/18/2018		0.017		0.00049 (J)		
2/19/2019					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
9/16/2019						<0.005
9/17/2019	<0.005	0.0036	<0.005	<0.005		
9/18/2019					<0.005	
2/18/2020				<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		
3/24/2020	<0.005				<0.005	
3/25/2020						<0.005
3/26/2020		0.0019 (J)				
9/14/2020						<0.005
9/15/2020	<0.005	0.003 (J)	<0.005	<0.005	<0.005	
2/9/2021						<0.005
2/10/2021	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	
3/30/2021		<0.005	<0.005	<0.005		
3/31/2021					<0.005	
4/1/2021	<0.005					<0.005
8/18/2021	<0.005	0.002 (J)			<0.005	<0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	SGWC-6
8/19/2021			<0.005	<0.005		
Mean	0.004308	0.00881	0.004354	0.003917	0.00429	0.004311
Std. Dev.	0.001692	0.00815	0.001578	0.001858	0.001734	0.001682
Upper Lim.	0.005	0.01166	0.005	0.005	0.005	0.005
Lower Lim.	0.00064	0.004039	0.00096	0.0012	0.00033	0.00057

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7
5/11/2016	<0.005
6/27/2016	<0.005
8/17/2016	<0.005
10/18/2016	<0.005
12/6/2016	<0.005
2/14/2017	<0.005
4/12/2017	<0.005
6/27/2017	<0.005
3/27/2018	<0.005
6/6/2018	<0.005
10/9/2018	0.00034 (J)
2/20/2019	<0.005
4/1/2019	<0.005
9/17/2019	<0.005
2/18/2020	<0.005
3/26/2020	<0.005
9/14/2020	<0.005
2/9/2021	<0.005
4/1/2021	<0.005
8/18/2021	<0.005
Mean	0.004767
Std. Dev.	0.001042
Upper Lim.	0.005
Lower Lim.	0.00034

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.001	<0.001	<0.001			
5/12/2016				<0.001	<0.001	<0.001
6/28/2016	0.0001 (J)	<0.001	<0.001	<0.001	<0.001	9E-05 (J)
8/17/2016	<0.001	<0.001				
8/18/2016			<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
12/6/2016	<0.001	<0.001	<0.001	<0.001		
12/7/2016					<0.001	<0.001
2/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001	8.5E-05 (J)
4/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
3/27/2018	<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
10/8/2018			<0.001	<0.001	<0.001	
10/9/2018	<0.001					
10/16/2018		<0.001				0.0001 (J)
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	9.8E-05 (J)
4/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)
9/16/2019		<0.001	<0.001			
9/17/2019	<0.001			<0.001	<0.001	0.00016 (J)
2/18/2020		0.00016 (J)				
2/19/2020	0.00075 (J)		0.00034 (J)	0.00022 (J)	0.00018 (J)	0.00031 (J)
3/25/2020	<0.001	<0.001				
3/26/2020			<0.001			
3/27/2020				<0.001	0.0011	0.00045 (J)
9/14/2020	<0.001	<0.001	0.00023 (J)	<0.001		
9/15/2020					0.00035 (J)	0.00027 (J)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021	<0.001					<0.001
4/6/2021					0.00017 (J)	
4/7/2021		<0.001	<0.001	<0.001		
8/19/2021	0.00024 (J)	0.00015 (J)		<0.001	<0.001	<0.001
8/20/2021			<0.001			
Mean	0.0009045	0.0009155	0.0009285	0.000961	0.00089	0.0005427
Std. Dev.	0.0002583	0.0002601	0.0002208	0.0001744	0.0002858	0.0004335
Upper Lim.	0.001	0.001	0.001	0.001	0.0011	0.001
Lower Lim.	0.00075	0.00016	0.00034	0.00022	0.00035	9.8E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-20	SGWC-22	SGWC-23	SGWC-6
5/11/2016						<0.001
5/12/2016	<0.001		<0.001	<0.001	<0.001	
5/13/2016		<0.001				
6/27/2016						<0.001
6/29/2016	<0.001		0.0002 (J)	<0.001	<0.001	
6/30/2016		0.0002 (J)				
8/17/2016						<0.001
8/18/2016	<0.001					
8/19/2016				<0.001	<0.001	
8/22/2016		0.00015 (J)	0.00018 (J)			
10/17/2016						<0.001
10/18/2016			0.00016 (J)	<0.001	<0.001	
10/19/2016	<0.001	0.00012 (J)				
12/6/2016						<0.001
12/7/2016	<0.001	9.5E-05 (J)		<0.001	<0.001	
12/8/2016			0.0001 (J)			
2/14/2017						<0.001
2/15/2017	<0.001				<0.001	
2/16/2017		0.00013 (J)	0.00014 (J)	<0.001		
4/12/2017						<0.001
4/13/2017	<0.001	0.00012 (J)	0.00021 (J)	<0.001	<0.001	
6/27/2017	<0.001					<0.001
6/28/2017		0.00013 (J)	0.00018 (J)	<0.001	<0.001	
3/27/2018	<0.001				<0.001	<0.001
3/28/2018		0.00011 (J)	9E-05 (J)	<0.001		
6/6/2018						<0.001
6/7/2018	<0.001		0.00014 (J)	<0.001	<0.001	
6/8/2018		0.00019 (J)				
10/8/2018	<0.001			<0.001	<0.001	<0.001
10/18/2018		0.00019 (J)	0.00018 (J)			
2/19/2019				<0.001	<0.001	
2/20/2019	<0.001	0.00021 (J)	0.00018 (J)			<0.001
4/2/2019	<0.001	0.00016 (J)	0.00017 (J)	<0.001	<0.001	<0.001
9/16/2019						<0.001
9/17/2019	<0.001	0.00025 (J)	0.00021 (J)			
9/18/2019				<0.001	<0.001	
2/18/2020			0.00033 (J)	<0.001	<0.001	0.00028 (J)
2/19/2020	<0.001					
2/20/2020		0.00066 (J)				
3/23/2020			0.00016 (J)			
3/24/2020	<0.001			<0.001	<0.001	
3/25/2020						0.00049 (J)
3/26/2020		0.00029 (J)				
9/14/2020						<0.001
9/15/2020	<0.001	0.00027 (J)	0.00028 (J)	0.00038 (J)	0.00016 (J)	
2/9/2021						<0.001
2/10/2021	0.00024 (J)	0.00068 (J)	0.00025 (J)	<0.001	<0.001	
3/30/2021		0.00024 (J)	0.00018 (J)			
3/31/2021				<0.001	<0.001	
4/1/2021	<0.001					0.00023 (J)
8/18/2021	<0.001	0.00022 (J)		<0.001	<0.001	0.00017 (J)
8/19/2021			0.00018 (J)			

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-20	SGWC-22	SGWC-23	SGWC-6
Mean	0.000962	0.0002708	0.000226	0.000969	0.000958	0.0008585
Std. Dev.	0.0001699	0.0002346	0.0001903	0.0001386	0.0001878	0.0002956
Upper Lim.	0.001	0.0003079	0.00021	0.001	0.001	0.001
Lower Lim.	0.00024	0.0001496	0.00016	0.00038	0.00016	0.00049

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:40 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.001	<0.001	<0.001
6/27/2016	<0.001	<0.001	
6/29/2016			<0.001
8/17/2016	<0.001	<0.001	
8/22/2016			<0.001
10/17/2016		<0.001	
10/18/2016	<0.001		<0.001
12/6/2016	<0.001	<0.001	
12/7/2016			<0.001
2/14/2017	<0.001	<0.001	
2/16/2017			<0.001
4/12/2017	<0.001	<0.001	
4/13/2017			<0.001
6/27/2017	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	
3/28/2018			<0.001
6/6/2018	<0.001	<0.001	<0.001
10/9/2018	<0.001	<0.001	<0.001
2/20/2019	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001	<0.001
9/16/2019			<0.001
9/17/2019	<0.001	0.00023 (J)	
2/18/2020	0.00022 (J)	0.0002 (J)	
2/19/2020			0.00027 (J)
3/25/2020		0.00079 (J)	<0.001
3/26/2020	<0.001		
9/14/2020	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001
3/31/2021			<0.001
4/1/2021	0.00042 (J)	0.00021 (J)	
8/18/2021	<0.001	<0.001	
8/19/2021			0.0004 (J)
Mean	0.000932	0.0008715	0.0009335
Std. Dev.	0.0002118	0.0002875	0.0002058
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00042	0.00079	0.0004

FIGURE I.

State Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	14	0.001957	0.0001604	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	13	0.001938	0.0002219	92.31	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	14	0.001886	0.0004276	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	20	0.0009415	0.0001482	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	20	0.001006	0.0001016	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	20	0.0008885	0.0002485	55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	20	0.000972	0.0001679	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	20	0.0009725	0.000183	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001349	0.0008753	0.01	No	20	0.001229	0.000458	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	20	0.000921	0.0001971	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	20	0.0009088	0.0001819	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003121	0.001764	0.01	No	20	0.002443	0.001195	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	20	0.000963	0.000115	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	20	0.0008515	0.0003339	45	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	20	0.000988	0.00005367	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	20	0.000909	0.0002133	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	20	0.00097	0.00009684	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	20	0.000925	0.0001853	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	20	0.000884	0.0001979	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	20	0.0008885	0.0002102	70	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	20	0.000864	0.0002204	55	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03251	0.02796	2	No	20	0.03024	0.004011	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04264	0.03799	2	No	20	0.04032	0.004089	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.051	0.03945	2	No	20	0.04523	0.01016	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.0347	0.02746	2	No	20	0.03108	0.006367	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.0592	0.05098	2	No	20	0.05509	0.00723	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.0384	0.03225	2	No	20	0.03533	0.00542	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.02616	0.02002	2	No	20	0.02309	0.0054	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02232	0.01906	2	No	20	0.02069	0.002867	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02466	0.01617	2	No	20	0.02042	0.007481	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-19	0.04073	0.03349	2	No	20	0.03711	0.006369	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03404	0.02528	2	No	20	0.02966	0.007716	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	20	0.09954	0.01306	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09101	0.0807	2	No	20	0.08586	0.009076	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.0842	0.06916	2	No	20	0.07668	0.01325	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1079	0.0659	2	No	20	0.08692	0.037	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2982	0.2566	2	No	20	0.2774	0.03658	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	20	0.1818	0.02052	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06715	0.05514	2	No	20	0.06115	0.01058	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	20	0.002388	0.0005009	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	20	0.002286	0.0006593	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	20	0.0007245	0.0007681	15	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	20	0.002389	0.0004964	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	20	0.001313	0.001102	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	20	0.00192	0.00103	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008183	0.0006639	0.004	No	20	0.0007411	0.000136	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	20	0.002391	0.0004852	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	20	0.002385	0.0005143	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	20	0.002274	0.0006943	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	19	0.002274	0.0006808	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.0003	0.005	No	19	0.001239	0.001106	42.11	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00023	0.005	No	19	0.001786	0.00108	68.42	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	19	0.002387	0.0004909	94.74	None	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	SGWC-20	0.0025	0.000108	0.005	No	19	0.002248	0.0007555	89.47	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	19	0.002389	0.0004841	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	19	0.00238	0.0005231	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	19	0.002385	0.0005024	94.74	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	20	0.002015	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	20	0.001985	0.00006708	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	20	0.001865	0.0003897	70	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.035	0.03254	0.1	No	20	0.03377	0.002167	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01167	0.009711	0.1	No	20	0.01069	0.001727	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007158	0.004277	0.1	No	20	0.005718	0.002536	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01027	0.007378	0.1	No	20	0.008991	0.002916	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01578	0.01434	0.1	No	20	0.01506	0.001272	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	20	0.001955	0.0002523	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	20	0.001925	0.0002268	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	20	0.00185	0.0004249	65	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001751	0.001307	0.1	No	20	0.001825	0.0003654	45	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	20	0.00203	0.0001342	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	20	0.00186	0.0004394	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**SGWC-10**	**0.03152**	**0.02161**	**0.02**	**Yes**	**20**	**0.02657**	**0.008725**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02843**	**0.02167**	**0.02**	**Yes**	**20**	**0.02505**	**0.005952**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003968	0.00253	0.02	No	20	0.003249	0.001267	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006948	0.003095	0.02	No	20	0.005395	0.003746	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.0114	0.006817	0.02	No	20	0.009108	0.004034	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2761**	**0.2601**	**0.02**	**Yes**	**20**	**0.2681**	**0.01407**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004281	0.003492	0.02	No	20	0.003887	0.0006948	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	20	0.0009142	0.0008249	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.156**	**0.1152**	**0.02**	**Yes**	**20**	**0.1356**	**0.03601**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	20	0.001458	0.001091	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2191**	**0.1628**	**0.02**	**Yes**	**20**	**0.191**	**0.04957**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	20	0.00156	0.001181	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003459	0.00185	0.02	No	20	0.002655	0.001416	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	20	0.002381	0.0005299	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002257	0.0008752	0.02	No	20	0.001997	0.001173	35	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01068	0.005272	0.02	No	20	0.007975	0.00476	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	20	0.001882	0.001008	65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01235	0.006043	0.02	No	20	0.009195	0.005551	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	20	0.2763	0.3592	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.515	0.1699	5	No	20	0.3425	0.3039	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4228	0.1448	5	No	20	0.2838	0.2448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4353	0.1591	5	No	20	0.2972	0.2432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3384	0.0401	5	No	20	0.1893	0.2627	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4656	0.2419	5	No	20	0.3538	0.1969	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3347	0.08673	5	No	20	0.2107	0.2184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4174	0.1684	5	No	20	0.2929	0.2192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	20	0.3893	0.3538	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.396	0.11	5	No	20	0.2736	0.3561	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.602	0.2782	5	No	20	0.4401	0.2852	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.514	0.216	5	No	20	0.4276	0.3703	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4627	0.1214	5	No	20	0.3456	0.4239	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6595	0.4047	5	No	20	0.5321	0.2243	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3958	0.1339	5	No	20	0.2648	0.2306	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5283	0.3051	5	No	20	0.4167	0.1965	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.54	2.043	5	No	20	2.292	0.4381	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3732	0.1226	5	No	20	0.2479	0.2207	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	21	0.09033	0.02467	85.71	None	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	21	0.09386	0.01712	85.71	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.0991	0.06343	4	No	21	0.09019	0.03143	19.05	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	21	0.08843	0.02934	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	21	0.08076	0.03133	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.11	4	No	21	0.14	0.05537	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	21	0.08586	0.02912	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07263	0.04436	4	No	21	0.07976	0.03333	42.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	21	0.09468	0.02921	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	21	0.0976	0.02808	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2561	0.1829	4	No	21	0.2228	0.07223	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09281	0.06581	4	No	21	0.0911	0.02457	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	21	0.08814	0.02548	76.19	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	21	0.07705	0.0275	42.86	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1395	0.1002	4	No	21	0.1216	0.03803	14.29	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.2324	0.1814	4	No	21	0.2069	0.04616	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.4611	0.3639	4	No	21	0.4125	0.08814	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.0808	0.05677	4	No	21	0.08348	0.02388	42.86	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	20	0.00087	0.0003175	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	20	0.0009695	0.0001364	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	20	0.000941	0.0001989	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	20	0.0009615	0.0001722	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	20	0.0009565	0.0001945	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	20	0.0009585	0.0001856	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.001	No	20	0.00095	0.0001683	90	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	20	0.0006125	0.0003667	45	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.001	No	20	0.000804	0.0003526	75	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	20	0.000834	0.0003407	80	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	20	0.0009545	0.0002035	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	20	0.00096	0.0001789	95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	20	0.000907	0.0002627	85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	20	0.0009455	0.0001761	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.005	No	20	0.00419	0.001337	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	20	0.004235	0.0009371	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	20	0.00482	0.000805	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004799	0.003991	0.005	No	20	0.0047	0.0006497	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.005	0.0022	0.005	No	20	0.004715	0.0008774	90	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004852	0.004033	0.005	No	19	0.004442	0.0006995	5.263	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	20	0.004485	0.001141	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	20	0.0046	0.001043	85	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0035	0.005	No	20	0.00433	0.0008609	50	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-7	0.005325	0.004212	0.005	No	19	0.004768	0.0009511	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.005	No	20	0.004225	0.001388	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	20	0.0001965	0.00001565	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	20	0.0001946	0.00002393	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	20	0.0001854	0.0000359	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00011	0.002	No	20	0.0001558	0.00004458	40	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	20	0.0001895	0.000028	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001748	0.0001126	0.002	No	20	0.0001778	0.00004703	25	Kaplan-Meier	No	0.01	Param.

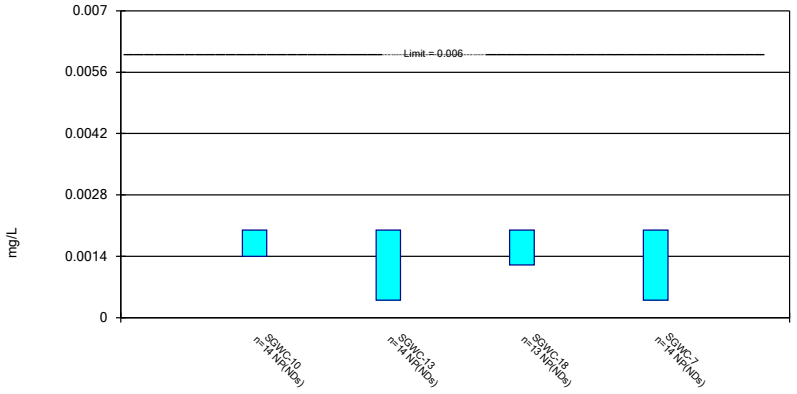
State Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 11/15/2021, 1:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	20	0.0001842	0.00003973	85	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	20	0.0001949	0.00002258	95	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	20	0.0001885	0.0000439	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	20	0.0001938	0.00002773	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	19	0.01354	0.004367	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	19	0.01362	0.004145	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	19	0.01351	0.004463	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0013	0.015	No	19	0.004612	0.005563	21.05	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	19	0.01425	0.003258	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00075	0.015	No	19	0.008377	0.007179	52.63	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	20	0.004773	0.001015	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	20	0.004765	0.001049	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	20	0.004547	0.001395	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	20	0.004575	0.001308	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	20	0.004105	0.00264	50	None	No	0.01	NP (normality)
Selenium (mg/L)	SGWC-16	0.005	0.0014	0.05	No	20	0.003876	0.001781	70	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	20	0.004308	0.001692	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01166	0.004039	0.05	No	20	0.00881	0.00815	5	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	20	0.004354	0.001578	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	20	0.003917	0.001858	65	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	20	0.00429	0.001734	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	20	0.004311	0.001682	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	20	0.004767	0.001042	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	20	0.0009045	0.0002583	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	20	0.0009155	0.0002601	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	20	0.0009285	0.0002208	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	20	0.000961	0.0001744	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	20	0.00089	0.0002858	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	20	0.0005427	0.0004335	45	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	20	0.000962	0.0001699	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.0003079	0.0001496	0.002	No	20	0.0002708	0.0002346	5	None	ln(x)	0.01	Param.
Thallium (mg/L)	SGWC-20	0.00021	0.00016	0.002	No	20	0.000226	0.0001903	5	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	20	0.000969	0.0001386	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	20	0.000958	0.0001878	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	20	0.0008585	0.0002956	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	20	0.000932	0.0002118	90	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	20	0.0008715	0.0002875	80	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	20	0.0009335	0.0002058	90	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

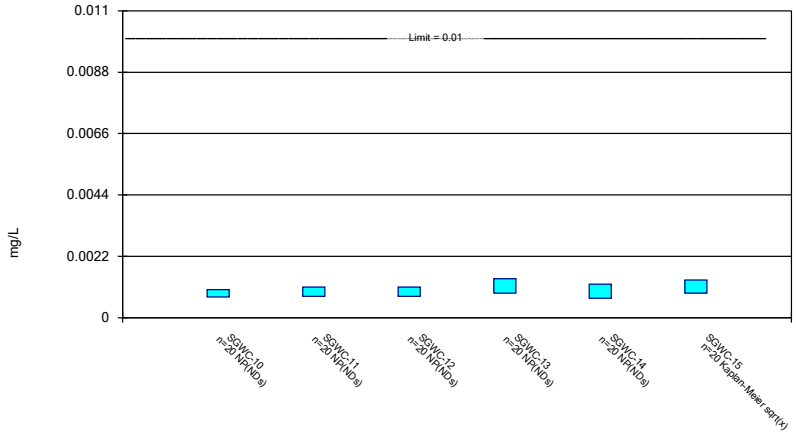


Constituent: Antimony Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

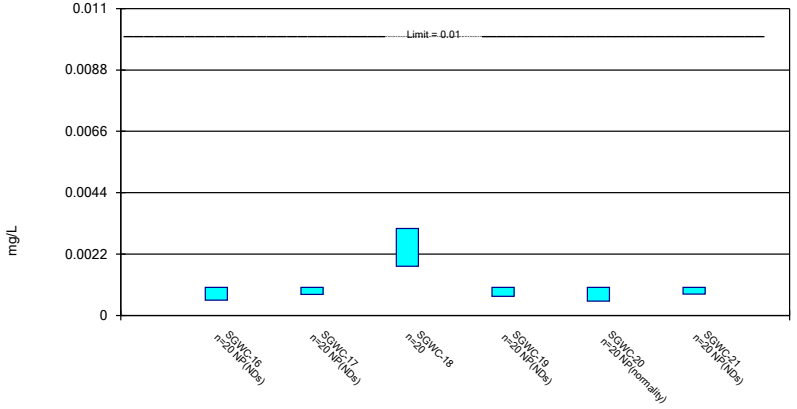


Constituent: Arsenic Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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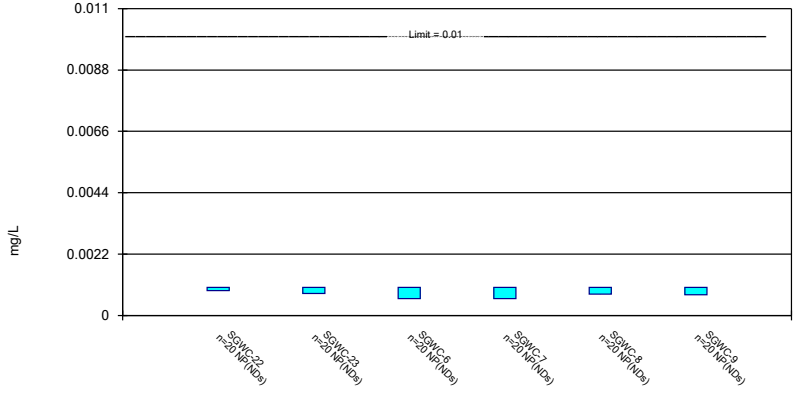

Constituent: Arsenic Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

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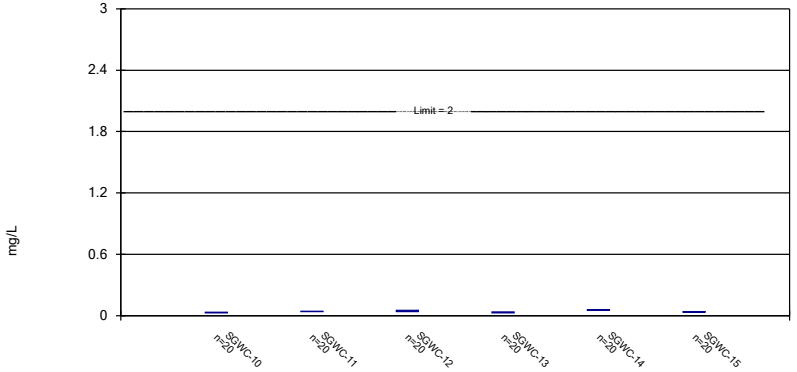
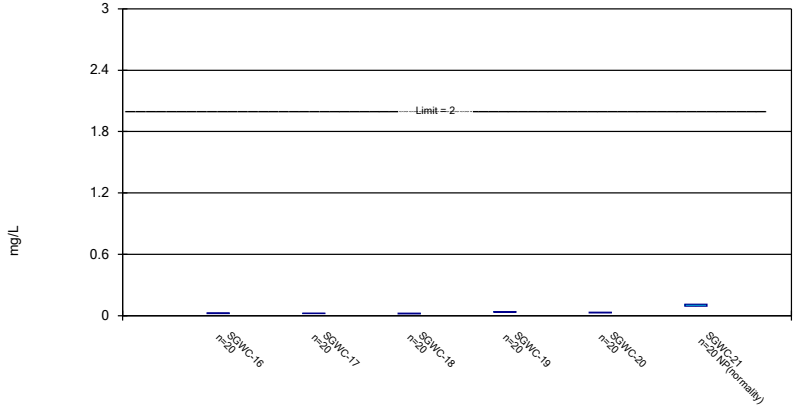


Constituent: Barium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

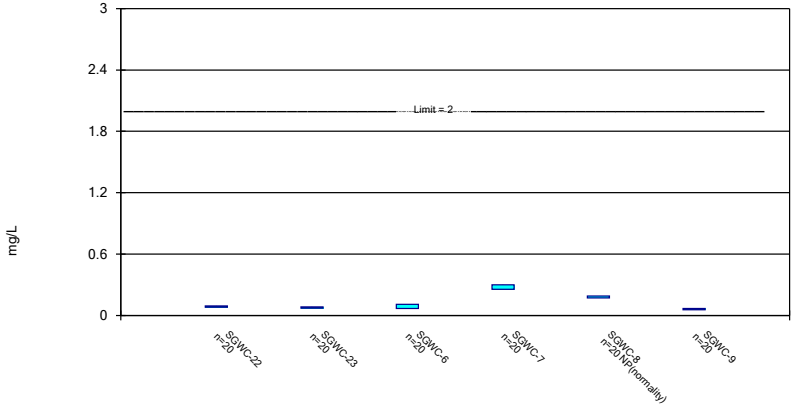


Constituent: Barium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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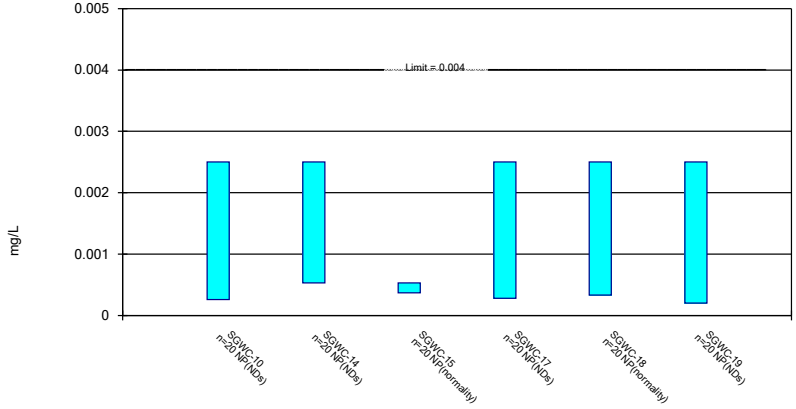
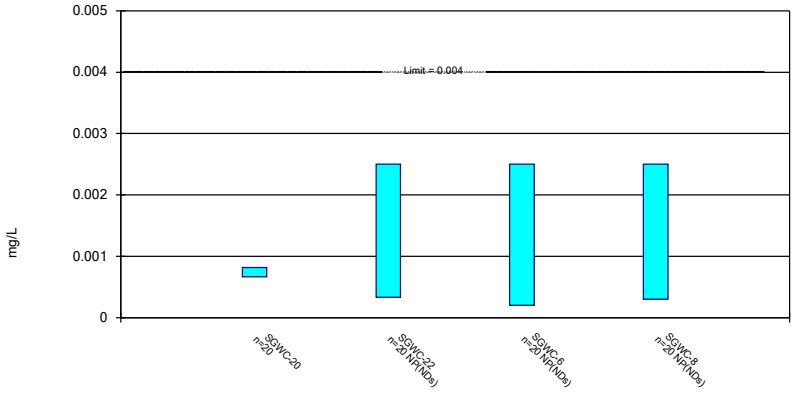


Constituent: Beryllium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

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 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

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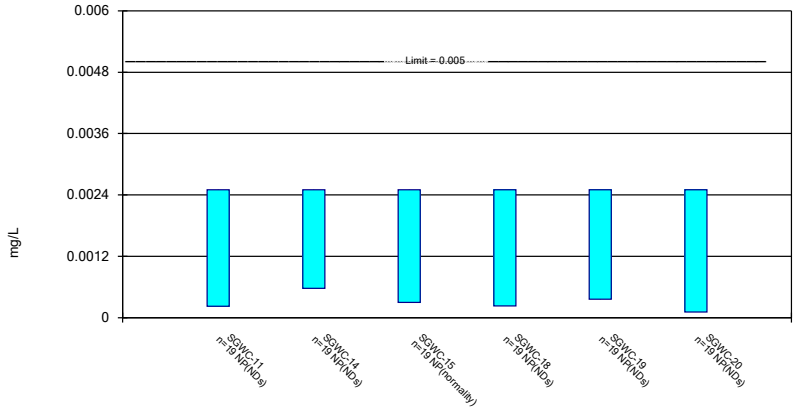

Constituent: Cadmium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

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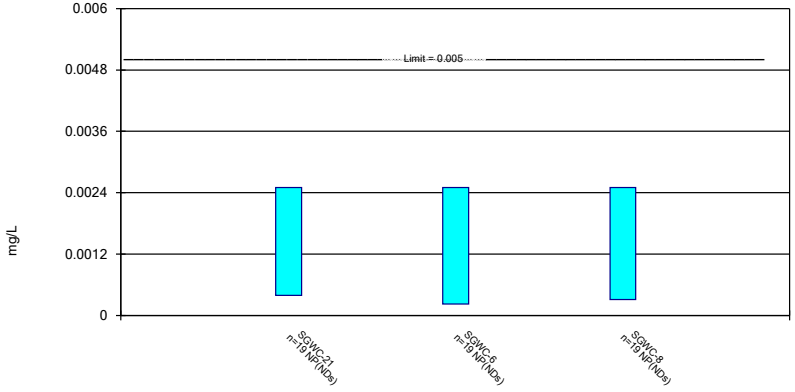
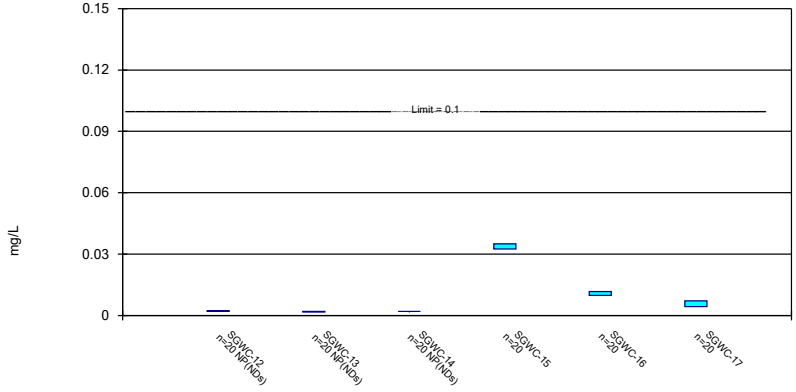


Constituent: Cadmium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

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.

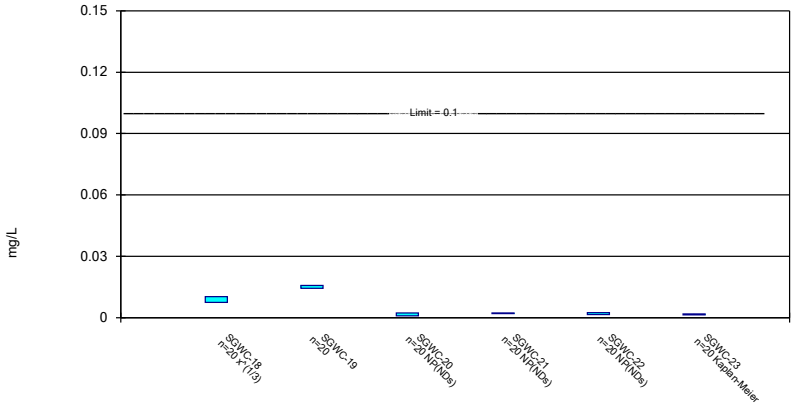


Constituent: Chromium Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



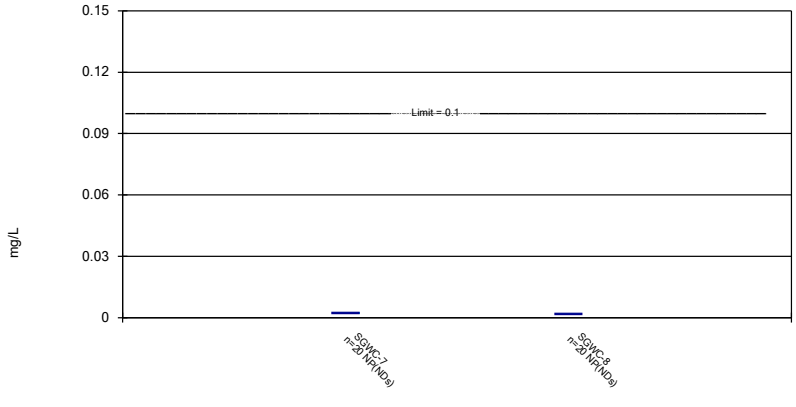
Constituent: Chromium Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



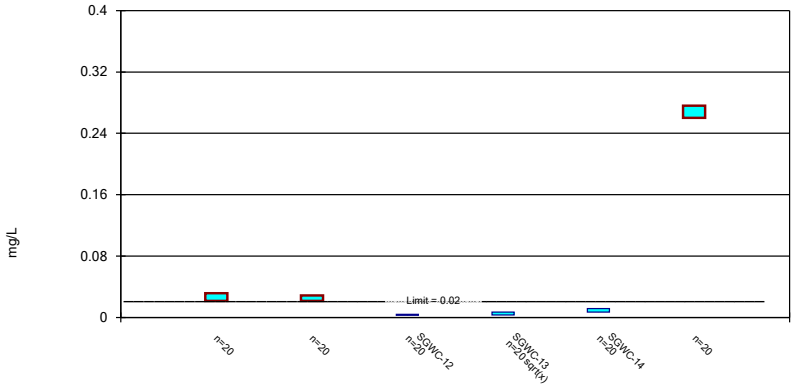
Constituent: Chromium Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



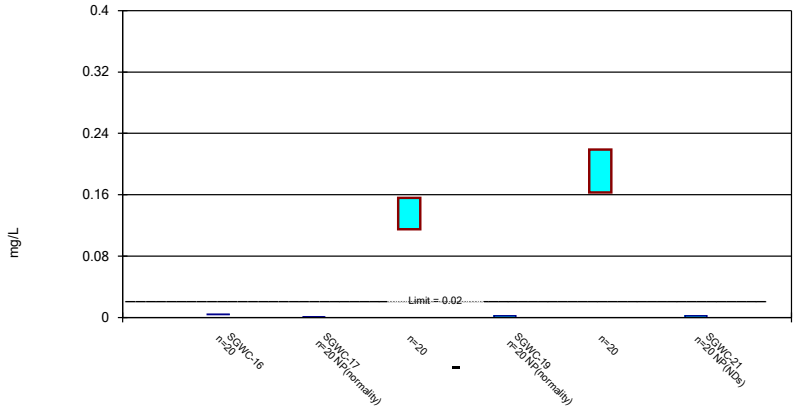
Constituent: Cobalt Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

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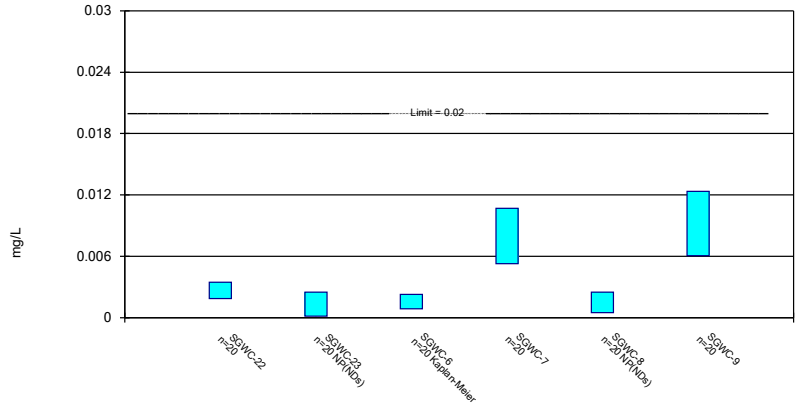
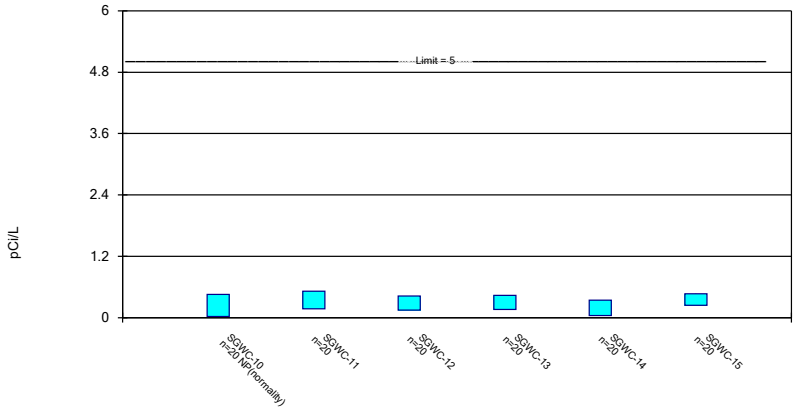


Constituent: Cobalt Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

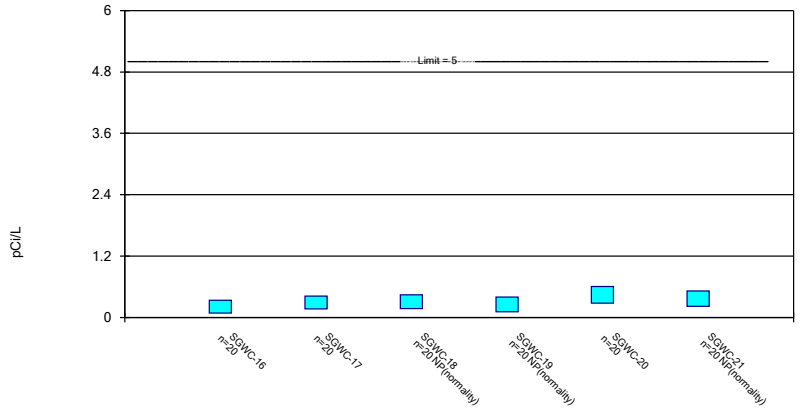


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

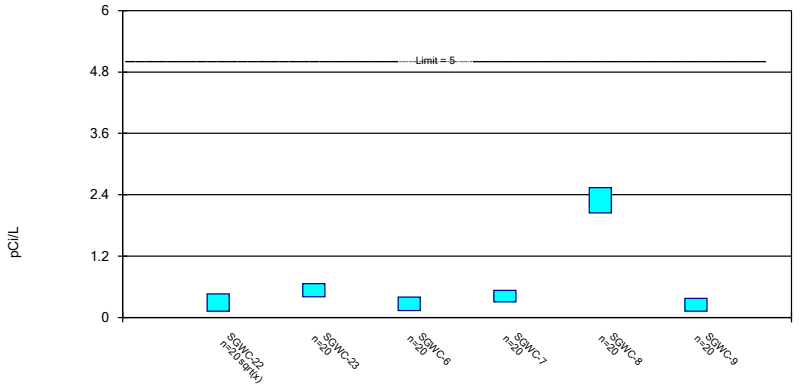


Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric Confidence Interval

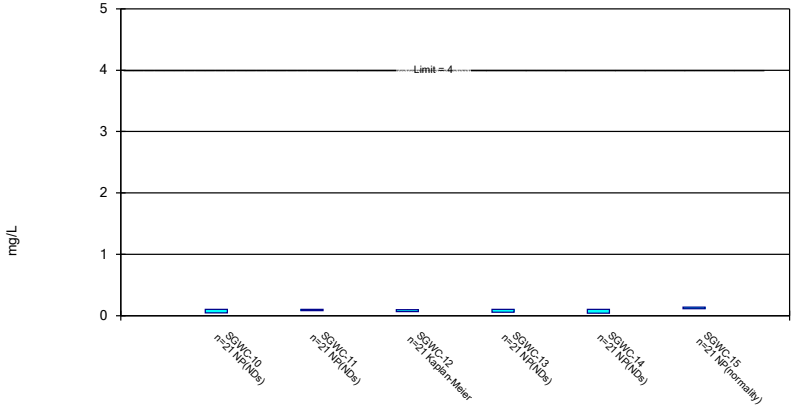
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/15/2021 1:27 PM 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.



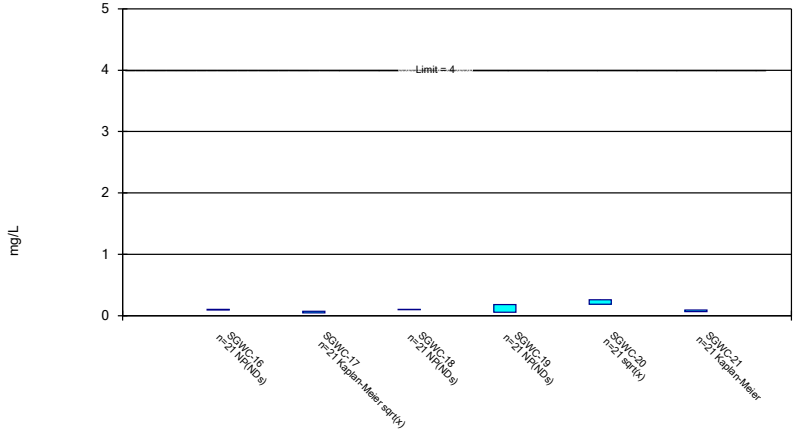
Constituent: Fluoride, total Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



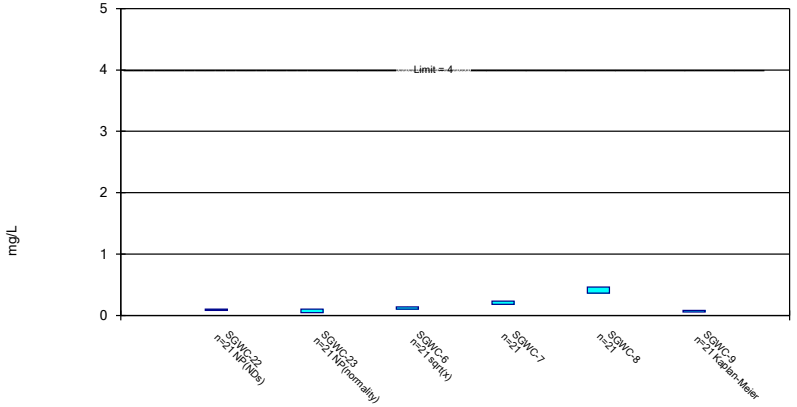
Constituent: Fluoride, total Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



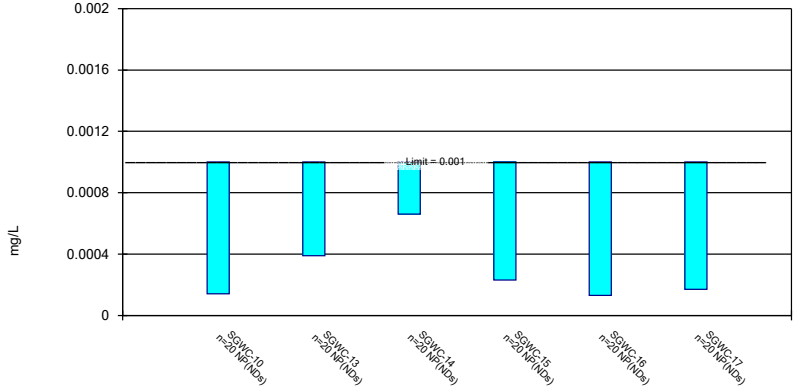
Constituent: Fluoride, total Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

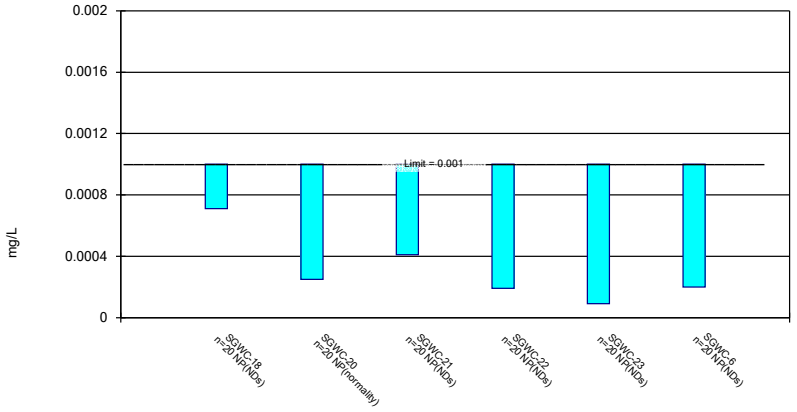


Constituent: Lead Analysis Run 11/15/2021 1:27 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

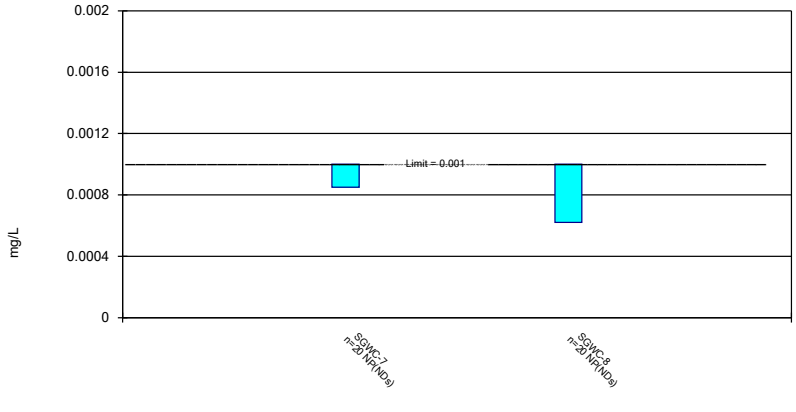


Constituent: Lead Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

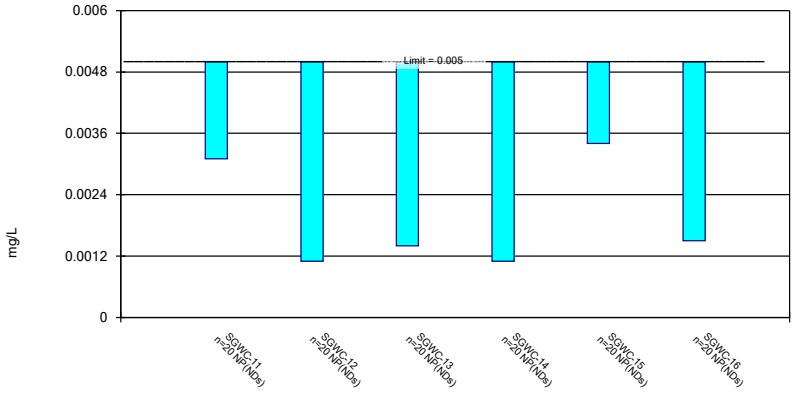


Constituent: Lead Analysis Run 11/15/2021 1:27 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

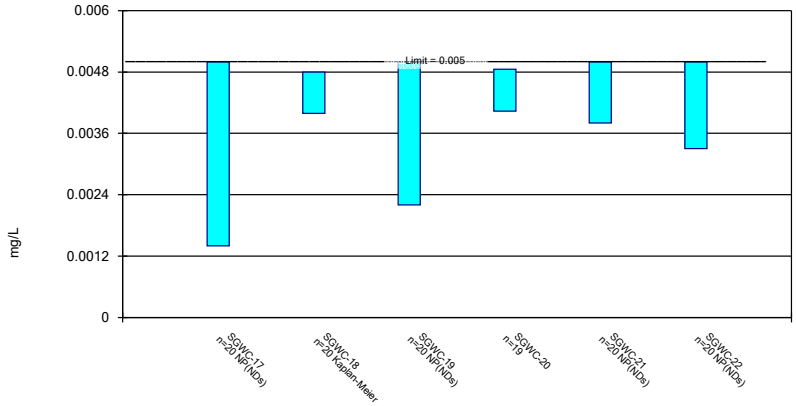


Constituent: Lithium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

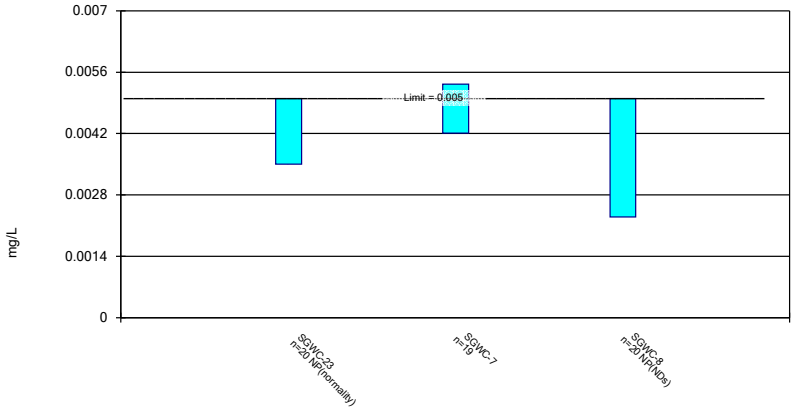
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

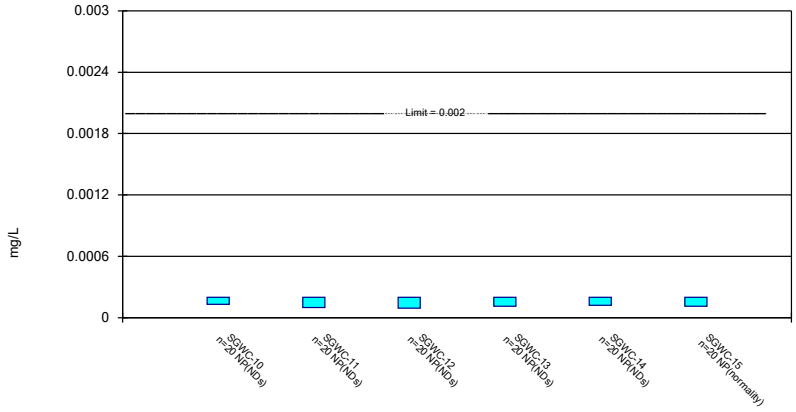
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

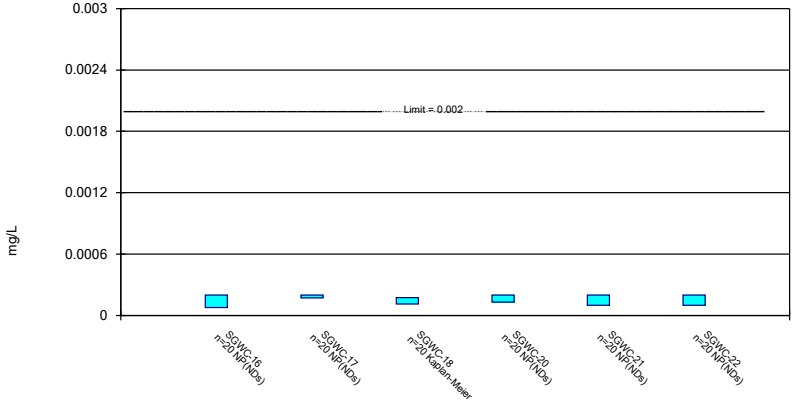
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

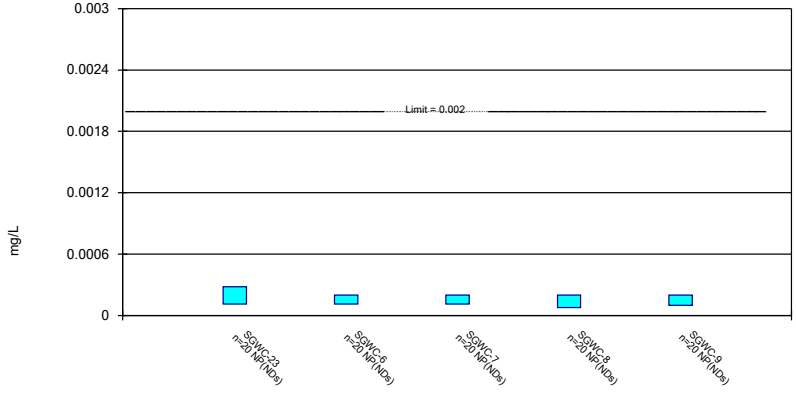
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

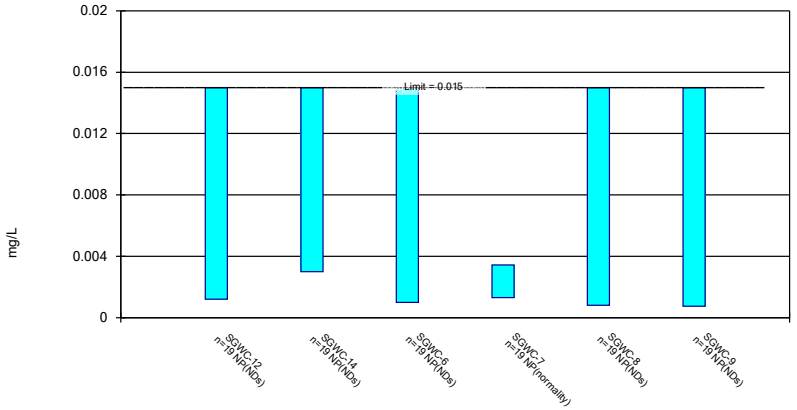
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

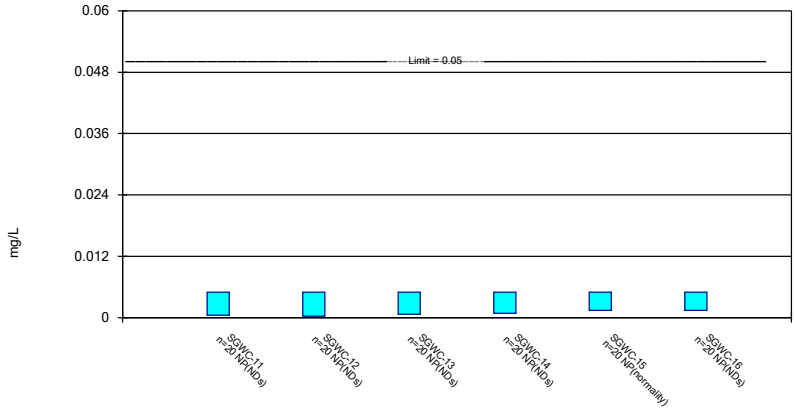
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

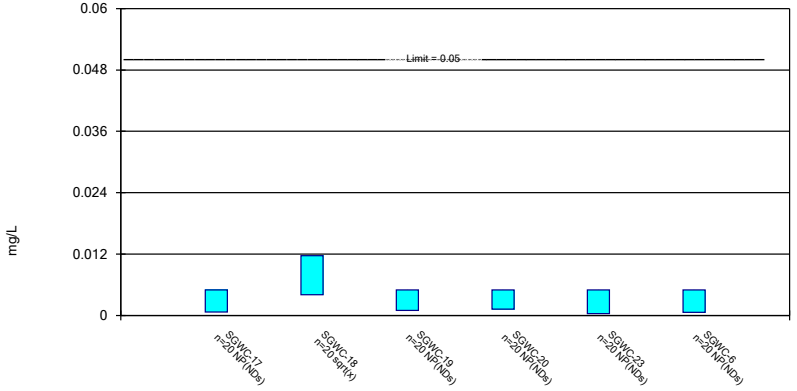
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

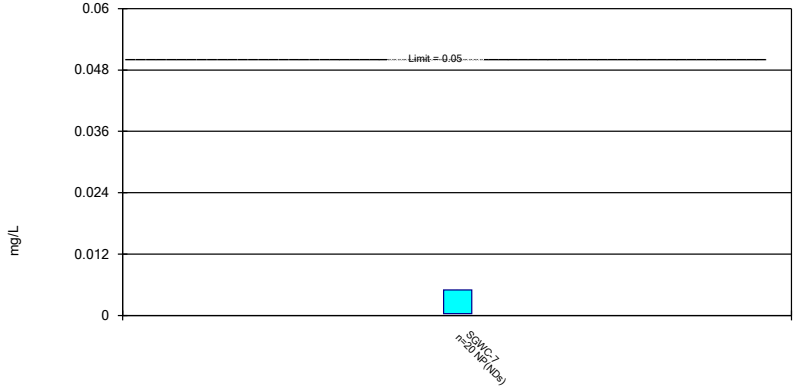
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

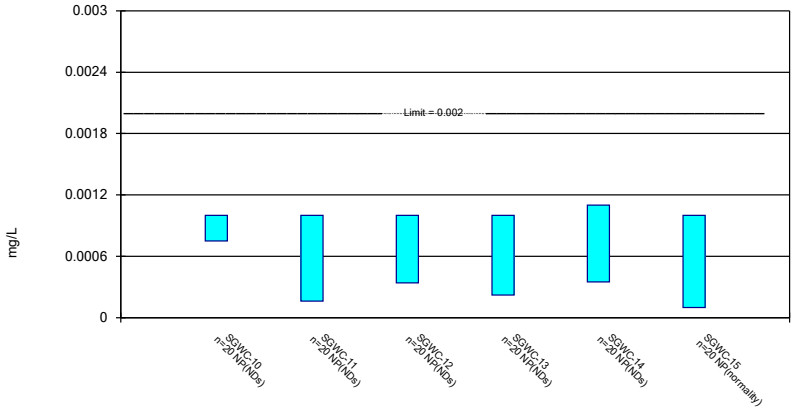
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 11/15/2021 1:28 PM 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.

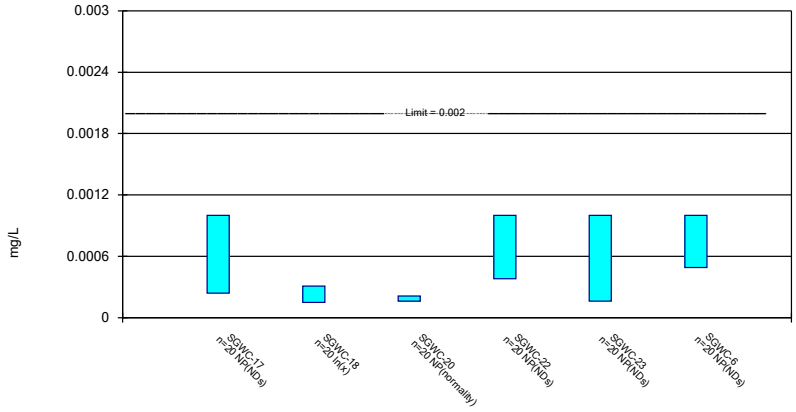


Constituent: Thallium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

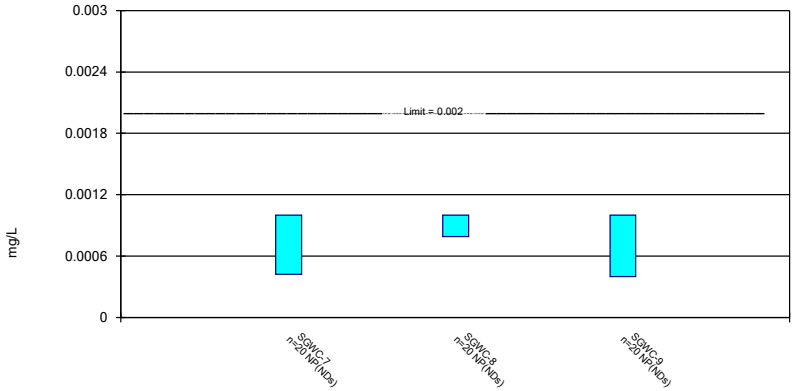


Constituent: Thallium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.31 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/15/2021 1:28 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-13	SGWC-18	SGWC-7
5/11/2016	<0.002			<0.002
5/12/2016		<0.002		
5/13/2016			<0.002	
6/27/2016				0.0004 (J)
6/28/2016	0.0014 (J)	0.0004 (J)		
6/30/2016			0.0012 (J)	
8/17/2016	<0.002			<0.002
8/18/2016		<0.002		
8/22/2016			<0.002	
10/17/2016	<0.002	<0.002		
10/18/2016				<0.002
10/19/2016			<0.002	
12/6/2016	<0.002	<0.002		<0.002
12/7/2016			<0.002	
2/14/2017				<0.002
2/15/2017	<0.002	<0.002 (F1)		
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
6/28/2017			<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
2/20/2019	<0.002	<0.002	<0.002	<0.002
2/18/2020				<0.002
2/19/2020	<0.002	<0.002		
2/20/2020			<0.002	
2/9/2021	<0.002	<0.002		<0.002
2/10/2021			<0.002	
8/18/2021			<0.002	<0.002
8/19/2021	<0.002	<0.002		
Mean	0.001957	0.001886	0.001938	0.001886
Std. Dev.	0.0001604	0.0004276	0.0002219	0.0004276
Upper Lim.	0.002	0.002	0.002	0.002
Lower Lim.	0.0014	0.0004	0.0012	0.0004

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.001	0.00103 (J)	<0.001			
5/12/2016				<0.001	<0.001	<0.001
6/28/2016	<0.001	0.0011 (J)	0.001 (J)	<0.001	<0.001	0.0026 (J)
8/17/2016	<0.001	0.0011 (J)				
8/18/2016			0.00091 (J)	<0.001	<0.001	0.0015
10/17/2016	<0.001	0.0011 (J)	<0.001	<0.001	<0.001	
10/18/2016						0.0019
12/6/2016	<0.001	0.00072 (J)	<0.001	<0.001		
12/7/2016					<0.001	0.00079 (J)
2/15/2017	0.0005 (J)	0.0011 (J)	0.00076 (J)	<0.001	<0.001	0.00073 (J)
4/12/2017	<0.001	0.00076 (J)	0.00046 (J)	0.00047 (J)	0.00057 (J)	0.0009 (J)
6/27/2017	0.00074 (J)	0.0011 (J)	0.0011 (J)	0.00088 (J)	0.00058 (J)	0.0011 (J)
3/27/2018	<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
10/8/2018			0.0007 (J)	0.00069 (J)	0.0007 (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)
4/1/2019	0.00059 (J)	0.0011 (J)	0.0012 (J)	0.0014	0.0012 (J)	0.0016
9/16/2019		<0.001	<0.001			
9/17/2019	<0.001			<0.001	<0.001	0.0008 (J)
2/18/2020		<0.001				
2/19/2020	<0.001		0.00032 (J)	<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
9/14/2020	<0.001	<0.001	<0.001	<0.001		
9/15/2020					<0.001	0.0014
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013
3/31/2021	<0.001					0.0012
4/6/2021					<0.001	
4/7/2021		<0.001	<0.001	<0.001		
8/19/2021	<0.001	<0.001		<0.001	<0.001	0.0014
8/20/2021			<0.001			
Mean	0.0009415	0.001006	0.0008885	0.000972	0.0009725	0.001229
Std. Dev.	0.0001482	0.0001016	0.0002485	0.0001679	0.000183	0.000458
Upper Lim.	0.001	0.0011	0.0011	0.0014	0.0012	0.001349
Lower Lim.	0.00074	0.00076	0.00076	0.00088	0.0007	0.0008753

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	<0.001	<0.001			<0.001	<0.001
5/13/2016			0.00161 (J)	<0.001		
6/28/2016	<0.001					
6/29/2016		<0.001		<0.001	0.0018 (J)	<0.001
6/30/2016			0.004 (J)			
8/18/2016	<0.001	<0.001				
8/22/2016			0.0012 (J)	<0.001	0.001 (J)	<0.001
10/18/2016	<0.001			<0.001	0.00085 (J)	<0.001
10/19/2016		0.001045 (JD)	0.0019			
12/7/2016	<0.001	<0.001	0.0012 (J)			<0.001
12/8/2016				<0.001	<0.001	
2/15/2017		0.00059 (J)				
2/16/2017	<0.001		0.00086 (J)	<0.001	<0.001	<0.001
4/13/2017	<0.001	0.00066 (J)	0.00058 (J)	<0.001	<0.001	<0.001
6/27/2017	0.00055 (J)	0.00075 (J)				
6/28/2017			0.0011 (J)	0.00068 (J)	0.00094 (J)	0.00076 (J)
3/27/2018	<0.001	<0.001				
3/28/2018			0.0015	<0.001	<0.001	<0.001
6/7/2018	<0.001	<0.001			<0.001	<0.001
6/8/2018			0.002	<0.001		
10/8/2018	0.00054 (J)	0.00075 (J)				<0.001
10/9/2018				0.00058 (J)		
10/18/2018			0.0031		<0.001	
2/20/2019	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
4/2/2019	<0.001	<0.001	0.0027	<0.001	<0.001	<0.001
9/17/2019	<0.001	<0.001	0.0029	<0.001	0.00037 (J)	<0.001
2/18/2020					0.00032 (J)	<0.001
2/19/2020	<0.001	<0.001		<0.001		
2/20/2020			0.0031			
3/23/2020				<0.001	0.0005 (J)	<0.001
3/24/2020		<0.001				
3/26/2020			0.0047			
3/27/2020	<0.001					
9/15/2020	<0.001	<0.001	0.0045	<0.001	0.00051 (J)	<0.001
2/9/2021	<0.001					
2/10/2021		0.00038 (J)	0.0033	<0.001	0.00059 (J)	<0.001
3/30/2021			0.0028	<0.001	0.00049 (J)	<0.001
4/1/2021	0.00033 (J)	<0.001				
8/18/2021		<0.001	0.0028			<0.001
8/19/2021	<0.001			<0.001	0.00066 (J)	
Mean	0.000921	0.0009088	0.002443	0.000963	0.0008515	0.000988
Std. Dev.	0.0001971	0.0001819	0.001195	0.000115	0.0003339	5.367E-05
Upper Lim.	0.001	0.001	0.003121	0.001	0.001	0.001
Lower Lim.	0.00055	0.00075	0.001764	0.00068	0.00051	0.00076

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			<0.001	<0.001	<0.001	<0.001
5/12/2016	<0.001	<0.001				
6/27/2016			<0.001	0.0009 (J)	<0.001	
6/29/2016	<0.001	<0.001				0.0009 (J)
8/17/2016			<0.001	0.0006 (J)	<0.001	
8/19/2016	<0.001	<0.001				
8/22/2016						<0.001
10/17/2016			<0.001		<0.001	
10/18/2016	<0.001	<0.001		<0.001		0.00074 (J)
12/6/2016			<0.001	<0.001	<0.001	
12/7/2016	<0.001	<0.001				0.00079 (J)
2/14/2017			0.0006 (J)	0.00059 (J)	0.0005 (J)	
2/15/2017		<0.001				
2/16/2017	<0.001					0.00056 (J)
4/12/2017			0.00046 (J)	0.00058 (J)	<0.001	
4/13/2017	0.0006 (J)	0.00061 (J)				0.00079 (J)
6/27/2017			<0.001	<0.001	0.00076 (J)	0.0011 (J)
6/28/2017	0.00089 (J)	0.00079 (J)				
3/27/2018		<0.001	<0.001	<0.001	<0.001	
3/28/2018	<0.001					<0.001
6/6/2018			<0.001	<0.001	<0.001	<0.001
6/7/2018	<0.001	<0.001				
10/8/2018	<0.001	<0.001	<0.001			
10/9/2018				0.00057 (J)	0.00053 (J)	0.00068 (J)
2/19/2019	<0.001	<0.001				
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	<0.001	<0.001			
9/16/2019			<0.001			<0.001
9/17/2019				<0.001	0.00035 (J)	
9/18/2019	0.00035 (J)	<0.001				
2/18/2020	0.00034 (J)	<0.001	<0.001	<0.001	<0.001	
2/19/2020						0.00039 (J)
3/24/2020	<0.001	<0.001				
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
9/15/2020	<0.001	<0.001				
2/9/2021			<0.001	<0.001	<0.001	<0.001
2/10/2021	<0.001	<0.001				
3/31/2021	<0.001	<0.001				0.00033 (J)
4/1/2021			<0.001	0.00044 (J)	<0.001	
8/18/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
8/19/2021						<0.001
Mean	0.000909	0.00097	0.000925	0.000884	0.0008885	0.000864
Std. Dev.	0.0002133	9.684E-05	0.0001853	0.0001979	0.0002102	0.0002204
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00089	0.00079	0.0006	0.0006	0.00076	0.00074

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.0294	0.038	0.0324			
5/12/2016				0.0198	0.067	0.041
6/28/2016	0.0293	0.0363	0.0321	0.0208	0.0668	0.0435
8/17/2016	0.029	0.033				
8/18/2016			0.03	0.022	0.06	0.043
10/17/2016	0.027	0.035	0.032	0.024	0.06	
10/18/2016						0.041
12/6/2016	0.03	0.035	0.032	0.025		
12/7/2016					0.063	0.042
2/15/2017	0.025	0.036	0.036	0.026	0.061	0.038
4/12/2017	0.028	0.038	0.037	0.029	0.062	0.038
6/27/2017	0.034	0.042	0.042	0.031	0.06	0.041
3/27/2018	0.031	0.039	0.043	0.029	0.055	0.035
6/6/2018	0.027	0.041	0.048			
6/7/2018				0.032	0.057	0.035
10/8/2018			0.049	0.033	0.053	
10/9/2018	0.032					
10/16/2018		0.037				0.031
2/20/2019	0.036	0.044	0.054	0.041	0.053	0.036
4/1/2019	0.039	0.041	0.051	0.038	0.054	0.034
9/16/2019		0.045	0.052			
9/17/2019	0.029			0.036	0.048	0.034
2/18/2020		0.044				
2/19/2020	0.027		0.053	0.033	0.047	0.031
3/25/2020	0.036	0.046				
3/26/2020			0.051			
3/27/2020				0.034	0.049	0.028
9/14/2020	0.027	0.042	0.057	0.039		
9/15/2020					0.05	0.031
2/9/2021	0.028	0.043	0.058	0.036	0.046	0.029
3/31/2021	0.036					0.028
4/6/2021					0.048	
4/7/2021		0.046	0.058	0.037		
8/19/2021	0.025	0.045		0.036	0.042	0.027
8/20/2021			0.057			
Mean	0.03024	0.04032	0.04523	0.03108	0.05509	0.03533
Std. Dev.	0.004011	0.004089	0.01016	0.006367	0.00723	0.00542
Upper Lim.	0.03251	0.04264	0.051	0.0347	0.0592	0.0384
Lower Lim.	0.02796	0.03799	0.03945	0.02746	0.05098	0.03225

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.0163	0.0157			0.0436	0.0914
5/13/2016			0.0138	0.0507		
6/28/2016	0.0165					
6/29/2016		0.0161 (J)		0.0485	0.0466	0.0933
6/30/2016			0.0145 (J)			
8/18/2016	0.017	0.016				
8/22/2016			0.014	0.044	0.038	0.086
10/18/2016	0.017			0.042	0.039	0.093
10/19/2016		0.021 (D)	0.016			
12/7/2016	0.017	0.018	0.015			0.096
12/8/2016				0.045	0.038	
2/15/2017		0.02				
2/16/2017	0.017		0.013	0.04	0.034	0.091
4/13/2017	0.019	0.019	0.012	0.037	0.028	0.088
6/27/2017	0.02	0.019				
6/28/2017			0.012	0.04	0.03	0.094
3/27/2018	0.021	0.02				
3/28/2018			0.029	0.034	0.027	0.09
6/7/2018	0.022	0.02			0.029	0.092
6/8/2018			0.032	0.035		
10/8/2018	0.025	0.021				0.092
10/9/2018				0.037		
10/18/2018			0.033		0.027	
2/20/2019	0.027	0.023	0.034	0.036	0.03	0.1
4/2/2019	0.023	0.02	0.028	0.03	0.023	0.087
9/17/2019	0.029	0.025	0.026	0.035	0.025	0.097
2/18/2020					0.023	0.11
2/19/2020	0.029	0.022		0.034		
2/20/2020			0.023			
3/23/2020				0.032	0.024	0.1
3/24/2020		0.024				
3/26/2020			0.02			
3/27/2020	0.027					
9/15/2020	0.031	0.025	0.02	0.034	0.024	0.13
2/9/2021	0.03					
2/10/2021		0.023	0.016	0.031	0.023	0.12
3/30/2021			0.015	0.03	0.021	0.12
4/1/2021	0.029	0.022				
8/18/2021		0.024	0.022			0.12
8/19/2021	0.029			0.027	0.02	
Mean	0.02309	0.02069	0.02042	0.03711	0.02966	0.09954
Std. Dev.	0.0054	0.002867	0.007481	0.006369	0.007716	0.01306
Upper Lim.	0.02616	0.02232	0.02466	0.04073	0.03404	0.11
Lower Lim.	0.02002	0.01906	0.01617	0.03349	0.02528	0.091

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.0933	0.295	0.251	0.0494
5/12/2016	0.1	0.0959				
6/27/2016			0.101	0.353	0.205	
6/29/2016	0.0991	0.0957				0.0535
8/17/2016			0.094	0.29	0.16	
8/19/2016	0.096	0.093				
8/22/2016						0.049
10/17/2016			0.11		0.17	
10/18/2016	0.096	0.093		0.29		0.049
12/6/2016			0.11	0.31	0.16	
12/7/2016	0.09	0.09				0.048
2/14/2017			0.056	0.3	0.18	
2/15/2017		0.09				
2/16/2017	0.091					0.056
4/12/2017			0.048	0.3	0.18	
4/13/2017	0.091	0.081				0.063
6/27/2017			0.058	0.36	0.18	0.067
6/28/2017	0.1	0.085				
3/27/2018		0.076	0.021	0.27	0.17	
3/28/2018	0.084					0.069
6/6/2018			0.014	0.24	0.18	0.069
6/7/2018	0.084	0.082				
10/8/2018	0.084	0.077	0.069			
10/9/2018				0.28	0.17	0.077
2/19/2019	0.075	0.064				
2/20/2019			0.052	0.28	0.2	0.077
4/1/2019				0.24	0.19	0.071
4/2/2019	0.076	0.068	0.069			
9/16/2019			0.13			0.077
9/17/2019				0.23	0.19	
9/18/2019	0.078	0.068				
2/18/2020	0.085	0.065	0.083	0.25	0.17	
2/19/2020						0.065
3/24/2020	0.081	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
9/15/2020	0.083	0.064				
2/9/2021			0.12	0.26	0.18	0.054
2/10/2021	0.078	0.066				
3/31/2021	0.072	0.059				0.061
4/1/2021			0.12	0.26	0.17	
8/18/2021	0.074	0.056	0.13	0.24	0.16	
8/19/2021						0.043
Mean	0.08586	0.07668	0.08692	0.2774	0.1818	0.06115
Std. Dev.	0.009076	0.01325	0.037	0.03658	0.02052	0.01058
Upper Lim.	0.09101	0.0842	0.1079	0.2982	0.19	0.06715
Lower Lim.	0.0807	0.06916	0.0659	0.2566	0.17	0.05514

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-19
5/11/2016	<0.0025					
5/12/2016		<0.0025	<0.0025	<0.0025		
5/13/2016					<0.0025	<0.0025
6/28/2016	<0.0025	<0.0025	0.0003 (J)			
6/29/2016				<0.0025		0.0002 (J)
6/30/2016					0.0003 (J)	
8/17/2016	<0.0025					
8/18/2016		<0.0025	0.00037 (J)	<0.0025		
8/22/2016					<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025				
10/18/2016			<0.0025			<0.0025
10/19/2016				<0.0025	<0.0025	
12/6/2016	<0.0025					
12/7/2016		<0.0025	<0.0025	<0.0025	<0.0025	
12/8/2016						<0.0025
2/15/2017	<0.0025	<0.0025	0.00037 (J)	<0.0025		
2/16/2017					<0.0025	<0.0025
4/12/2017	<0.0025	<0.0025	0.00035 (J)			
4/13/2017				<0.0025	<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	0.0004 (J)	<0.0025		
6/28/2017					<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	0.00041 (J)	<0.0025		
3/28/2018					0.00036 (J)	<0.0025
6/6/2018	<0.0025					
6/7/2018		<0.0025	0.00038 (J)	<0.0025		
6/8/2018					0.00035 (J)	<0.0025
10/8/2018		<0.0025		<0.0025		
10/9/2018	<0.0025					<0.0025
10/16/2018			0.0004 (J)			
10/18/2018					<0.0025	
2/20/2019	<0.0025	<0.0025	0.00042 (J)	<0.0025	0.00033 (J)	0.00016 (J)
4/1/2019	<0.0025	<0.0025	0.00034 (J)			
4/2/2019				<0.0025	<0.0025	<0.0025
9/17/2019	<0.0025	<0.0025	0.00046 (J)	<0.0025	0.00035 (J)	<0.0025
2/19/2020	0.00026 (J)	<0.0025	0.00045 (J)	<0.0025		<0.0025
2/20/2020					0.00049 (J)	
3/23/2020						<0.0025
3/24/2020				<0.0025		
3/25/2020	<0.0025					
3/26/2020					0.00033 (J)	
3/27/2020		0.00053 (J)	0.00059 (J)			
9/14/2020	<0.0025					
9/15/2020		0.0002 (J)	0.00053 (J)	<0.0025	0.0003 (J)	0.00018 (J)
2/9/2021	<0.0025	<0.0025	0.00044 (J)			
2/10/2021				0.00028 (J)	0.00036 (J)	0.00019 (J)
3/30/2021					0.00025 (J)	0.00018 (J)
3/31/2021	<0.0025		0.00045 (J)			
4/1/2021				<0.0025		
4/6/2021		<0.0025				
8/18/2021				<0.0025	0.00035 (J)	
8/19/2021	<0.0025	<0.0025	0.00033 (J)			<0.0025
Mean	0.002388	0.002286	0.0007245	0.002389	0.001313	0.00192

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-19
Std. Dev.	0.0005009	0.0006593	0.0007681	0.0004964	0.001102	0.00103
Upper Lim.	0.0025	0.0025	0.00053	0.0025	0.0025	0.0025
Lower Lim.	0.00026	0.00053	0.00037	0.00028	0.00033	0.0002

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-22	SGWC-6	SGWC-8
5/11/2016			<0.0025	<0.0025
5/12/2016	0.000742 (J)	<0.0025		
6/27/2016			<0.0025	<0.0025
6/29/2016	0.0007 (J)	<0.0025		
8/17/2016			<0.0025	<0.0025
8/19/2016		<0.0025		
8/22/2016	0.00074 (J)			
10/17/2016			<0.0025	<0.0025
10/18/2016	0.00075 (J)	<0.0025		
12/6/2016			<0.0025	<0.0025
12/7/2016		<0.0025		
12/8/2016	0.00093 (J)			
2/14/2017			<0.0025	<0.0025
2/16/2017	0.00091 (J)	<0.0025		
4/12/2017			<0.0025	<0.0025
4/13/2017	0.00065 (J)	<0.0025		
6/27/2017			<0.0025	<0.0025
6/28/2017	0.00073 (J)	<0.0025		
3/27/2018			<0.0025	<0.0025
3/28/2018	0.00079 (J)	<0.0025		
6/6/2018			<0.0025	<0.0025
6/7/2018	0.00086 (J)	<0.0025		
10/8/2018		<0.0025	<0.0025	
10/9/2018				<0.0025
10/18/2018	0.00079 (J)			
2/19/2019		<0.0025		
2/20/2019	0.00077 (J)		<0.0025	<0.0025
4/1/2019				<0.0025
4/2/2019	0.00043 (J)	<0.0025	<0.0025	
9/16/2019			<0.0025	
9/17/2019	0.00057 (J)			0.00019 (J)
9/18/2019		<0.0025		
2/18/2020	0.00052 (J)	<0.0025	<0.0025	<0.0025
3/23/2020	0.00077 (J)			
3/24/2020		<0.0025		
3/25/2020			0.0002 (J)	0.0003 (J)
9/14/2020			<0.0025	<0.0025
9/15/2020	0.00078 (J)	0.00033 (J)		
2/9/2021			<0.0025	<0.0025
2/10/2021	0.0009 (J)	<0.0025		
3/30/2021	0.00058 (J)			
3/31/2021		<0.0025		
4/1/2021			<0.0025	<0.0025
8/18/2021		<0.0025	<0.0025	<0.0025
8/19/2021	0.00091 (J)			
Mean	0.0007411	0.002391	0.002385	0.002274
Std. Dev.	0.000136	0.0004852	0.0005143	0.0006943
Upper Lim.	0.0008183	0.0025	0.0025	0.0025
Lower Lim.	0.0006639	0.00033	0.0002	0.0003

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19	SGWC-20
5/11/2016	<0.0025					
5/12/2016		0.000136 (J)	0.000265 (J)			0.000108 (J)
5/13/2016				0.00016 (J)	<0.0025	
6/28/2016	<0.0025	<0.0025	0.0003 (J)			
6/29/2016					<0.0025	0.0001 (J)
6/30/2016				0.0002 (J)		
8/17/2016	<0.0025					
8/18/2016		<0.0025	<0.0025			
8/22/2016				<0.0025	<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025				
10/18/2016			<0.0025		<0.0025	<0.0025
10/19/2016				<0.0025		
12/6/2016	<0.0025					
12/7/2016		<0.0025	<0.0025	<0.0025		
12/8/2016					<0.0025	<0.0025
2/15/2017	<0.0025	<0.0025	0.00044 (J)			
2/16/2017				<0.0025	0.00036 (J)	<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025			
4/13/2017				<0.0025	<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025			
6/28/2017				<0.0025	<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025			
3/28/2018				<0.0025	<0.0025	<0.0025
10/8/2018		<0.0025				
10/9/2018					<0.0025	
10/16/2018	<0.0025		<0.0025			
10/18/2018				<0.0025		<0.0025
2/20/2019	<0.0025	<0.0025	0.00033 (J)	0.00023 (J)	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025	<0.0025			
4/2/2019				<0.0025	<0.0025	<0.0025
9/16/2019	<0.0025					
9/17/2019		<0.0025	0.00034 (J)	0.00018 (J)	<0.0025	<0.0025
2/18/2020	<0.0025					<0.0025
2/19/2020		<0.0025	0.0003 (J)		<0.0025	
2/20/2020				0.00032 (J)		
3/23/2020					<0.0025	<0.0025
3/25/2020	<0.0025					
3/26/2020				<0.0025		
3/27/2020		0.00057 (J)	0.00042 (J)			
9/14/2020	<0.0025					
9/15/2020		<0.0025	0.00032 (J)	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	0.0003 (J)			
2/10/2021				0.00035 (J)	<0.0025	<0.0025
3/30/2021				<0.0025	<0.0025	<0.0025
3/31/2021			0.00027 (J)			
4/6/2021		<0.0025				
4/7/2021	<0.0025					
8/18/2021				<0.0025		
8/19/2021	0.00022 (J)	<0.0025	0.00026 (J)		<0.0025	<0.0025
Mean	0.00238	0.002274	0.001239	0.001786	0.002387	0.002248
Std. Dev.	0.0005231	0.0006808	0.001106	0.00108	0.0004909	0.0007555
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19	SGWC-20
Lower Lim.	0.00022	0.00057	0.0003	0.00023	0.00036	0.000108

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-6	SGWC-8
5/11/2016		<0.0025	<0.0025
5/12/2016	<0.0025		
6/27/2016		<0.0025	<0.0025
6/29/2016	<0.0025		
8/17/2016		<0.0025	<0.0025
8/22/2016	<0.0025		
10/17/2016		<0.0025	<0.0025
10/18/2016	<0.0025		
12/6/2016		<0.0025	<0.0025
12/7/2016	<0.0025		
2/14/2017		<0.0025	<0.0025
2/16/2017	0.00039 (J)		
4/12/2017		<0.0025	<0.0025
4/13/2017	<0.0025		
6/27/2017		<0.0025	<0.0025
6/28/2017	<0.0025		
3/27/2018		<0.0025	<0.0025
3/28/2018	<0.0025		
10/8/2018	<0.0025	<0.0025	
10/9/2018			<0.0025
2/20/2019	<0.0025	<0.0025	<0.0025
4/1/2019			<0.0025
4/2/2019	<0.0025	<0.0025	
9/16/2019		<0.0025	
9/17/2019	<0.0025		<0.0025
2/18/2020	<0.0025	<0.0025	<0.0025
3/23/2020	<0.0025		
3/25/2020		0.00022 (J)	0.00031 (J)
9/14/2020		<0.0025	<0.0025
9/15/2020	<0.0025		
2/9/2021		<0.0025	<0.0025
2/10/2021	<0.0025		
3/30/2021	<0.0025		
4/1/2021		<0.0025	<0.0025
8/18/2021	<0.0025	<0.0025	<0.0025
Mean	0.002389	0.00238	0.002385
Std. Dev.	0.0004841	0.0005231	0.0005024
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	0.00039	0.00022	0.00031

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17
5/11/2016	<0.002					
5/12/2016		<0.002	<0.002	0.0335	0.00943 (J)	0.0077 (J)
6/28/2016	<0.002	<0.002	0.0008 (J)	0.0339	0.0093 (J)	
6/29/2016						0.0036 (J)
8/18/2016	<0.002	<0.002	<0.002	0.034	0.0085	0.0027
10/17/2016	0.0023 (J)	<0.002	0.0012 (J)			
10/18/2016				0.033	0.0088	
10/19/2016						0.00335 (D)
12/6/2016	<0.002	<0.002				
12/7/2016			0.0012 (J)	0.032	0.0079	0.0027
2/15/2017	<0.002	<0.002	<0.002	0.03		0.0044
2/16/2017					0.0097	
4/12/2017	<0.002	<0.002	<0.002	0.035		
4/13/2017					0.0098	0.0047
6/27/2017	<0.002	<0.002	<0.002	0.035	0.0096	0.0029
3/27/2018	<0.002	<0.002	<0.002	0.031	0.0098	0.0045
6/6/2018	<0.002					
6/7/2018		<0.002	<0.002	0.032	0.01	0.0083
10/8/2018	<0.002	<0.002	<0.002		0.013	0.0055
10/16/2018				0.032		
2/20/2019	<0.002	<0.002	0.0016 (J)	0.038	0.013	0.0061
4/1/2019	<0.002	<0.002	<0.002	0.032		
4/2/2019					0.01	0.004
9/16/2019	<0.002					
9/17/2019		0.0017 (J)	0.0026	0.037	0.013	0.0078
2/19/2020	<0.002	<0.002	<0.002	0.038	0.014	0.0045
3/24/2020						0.0079
3/26/2020	<0.002					
3/27/2020		<0.002	0.0019 (J)	0.034	0.011	
9/14/2020	<0.002	<0.002				
9/15/2020			<0.002	0.034	0.012	0.0091
2/9/2021	<0.002	<0.002	<0.002	0.035	0.012	
2/10/2021						0.008
3/31/2021				0.034		
4/1/2021					0.012	0.0046
4/6/2021			<0.002			
4/7/2021	<0.002	<0.002				
8/18/2021						0.012
8/19/2021		<0.002	<0.002	0.032	0.011	
8/20/2021	<0.002					
Mean	0.002015	0.001985	0.001865	0.03377	0.01069	0.005718
Std. Dev.	6.708E-05	6.708E-05	0.0003897	0.002167	0.001727	0.002536
Upper Lim.	0.0023	0.002	0.002	0.035	0.01167	0.007158
Lower Lim.	0.002	0.0017	0.0019	0.03254	0.009711	0.004277

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
5/12/2016			<0.002	<0.002	<0.002	<0.002
5/13/2016	0.00771 (J)	0.0151				
6/29/2016		0.0141	0.0009 (J)	0.0012 (J)	0.0007 (J)	0.0013 (J)
6/30/2016	0.007 (J)					
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	0.0064					
12/7/2016	0.0063			<0.002	<0.002	<0.002
12/8/2016		0.013	<0.002			
2/15/2017						<0.002
2/16/2017	0.007	0.015	<0.002	<0.002	<0.002	
4/13/2017	0.0061	0.016	<0.002	<0.002	<0.002	0.0014 (J)
6/28/2017	0.0059	0.016	<0.002	<0.002	<0.002	0.0025
3/27/2018						0.0012 (J)
3/28/2018	0.0082	0.014	<0.002	<0.002	<0.002	
6/7/2018			<0.002	<0.002	<0.002	<0.002
6/8/2018	0.0086	0.015				
10/8/2018				<0.002	0.0012 (J)	0.0017 (J)
10/9/2018		0.017				
10/18/2018	0.009		<0.002			
2/19/2019					<0.002	<0.002
2/20/2019	0.011	0.017	<0.002	0.0015 (J)		
4/2/2019	0.0092	0.014	<0.002	<0.002	0.0012 (J)	0.0011 (J)
9/17/2019	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		0.017				
2/20/2020	0.011					
3/23/2020		0.015	<0.002	<0.002		
3/24/2020					<0.002	<0.002
3/26/2020	0.0096					
9/15/2020	0.01	0.015	<0.002	0.002	0.0025	0.0017 (J)
2/10/2021	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)
8/18/2021	0.019			0.0022	<0.002	0.0019 (J)
8/19/2021		0.014	<0.002			
Mean	0.008991	0.01506	0.001955	0.001925	0.00185	0.001825
Std. Dev.	0.002916	0.001272	0.0002523	0.0002268	0.0004249	0.0003654
Upper Lim.	0.01027	0.01578	0.0022	0.0022	0.0024	0.001751
Lower Lim.	0.007378	0.01434	0.0009	0.002	0.0015	0.001307

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8
5/11/2016	<0.002	<0.002
6/27/2016	<0.002	<0.002
8/17/2016	<0.002	<0.002
10/17/2016		<0.002
10/18/2016	<0.002	
12/6/2016	<0.002	<0.002
2/14/2017	<0.002	<0.002
4/12/2017	<0.002	0.0011 (J)
6/27/2017	<0.002	<0.002
3/27/2018	<0.002	0.0012 (J)
6/6/2018	<0.002	0.0013 (J)
10/9/2018	<0.002	0.0016 (J)
2/20/2019	<0.002	0.0021 (J)
4/1/2019	<0.002	0.0013 (J)
9/17/2019	<0.002	0.0031
2/18/2020	<0.002	0.0015 (J)
3/25/2020		<0.002
3/26/2020	<0.002	
9/14/2020	<0.002	<0.002
2/9/2021	<0.002	<0.002
4/1/2021	<0.002	<0.002
8/18/2021	0.0026	<0.002
Mean	0.00203	0.00186
Std. Dev.	0.0001342	0.0004394
Upper Lim.	0.0026	0.0021
Lower Lim.	0.002	0.0015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.0191	0.0378	0.00648 (J)			
5/12/2016				0.0145	0.00605 (J)	0.267
6/28/2016	0.0192	0.0332	0.0051 (J)	0.011	0.0115	0.255
8/17/2016	0.022	0.03				
8/18/2016			0.0035	0.0099	0.011	0.26
10/17/2016	0.05	0.032	0.003	0.01	0.017	
10/18/2016						0.28
12/6/2016	0.04	0.029	0.0036	0.0079		
12/7/2016					0.0043	0.26
2/15/2017	0.038	0.029	0.004	0.0073	0.0059	0.24
4/12/2017	0.018	0.028	0.0039	0.0078	0.017	0.28
6/27/2017	0.014	0.029	0.0042	0.0068	0.013	0.29
3/27/2018	0.026	0.024	0.0035	0.0035	0.0083	0.27
6/6/2018	0.018	0.026	0.0038			
6/7/2018				0.0039	0.0025	0.3
10/8/2018			0.0037	0.0036	0.0071	
10/9/2018	0.03					
10/16/2018		0.023				0.27
2/20/2019	0.034	0.024	0.0032	0.004	0.011	0.26
4/1/2019	0.025	0.021	0.0029	0.003	0.014	0.26
9/16/2019		0.022	0.003			
9/17/2019	0.022			0.0024 (J)	0.0096	0.27
2/18/2020		0.018				
2/19/2020	0.027		0.0027	0.0018 (J)	0.0099	0.28
3/25/2020	0.029	0.024				
3/26/2020			0.0024 (J)			
3/27/2020				0.002 (J)	0.0093	0.28
9/14/2020	0.022	0.019	0.001 (J)	0.0022 (J)		
9/15/2020					0.0076	0.25
2/9/2021	0.03	0.019	0.0014 (J)	0.0024 (J)	0.0052	0.26
3/31/2021	0.026					0.26
4/6/2021					0.0072	
4/7/2021		0.019	0.0017 (J)	0.0018 (J)		
8/19/2021	0.022	0.014		0.0021 (J)	0.0047	0.27
8/20/2021			0.0019 (J)			
Mean	0.02657	0.02505	0.003249	0.005395	0.009108	0.2681
Std. Dev.	0.008725	0.005952	0.001267	0.003746	0.004034	0.01407
Upper Lim.	0.03152	0.02843	0.003968	0.006948	0.0114	0.2761
Lower Lim.	0.02161	0.02167	0.00253	0.003095	0.006817	0.2601

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.00303 (J)	<0.0025			0.261	<0.0025
5/13/2016			0.116	<0.0025		
6/28/2016	0.0029 (J)					
6/29/2016		0.0007 (J)		0.0006 (J)	0.23	<0.0025
6/30/2016			0.112			
8/18/2016	0.0029	0.00078 (J)				
8/22/2016			0.13	0.00066 (J)	0.25	<0.0025
10/18/2016	0.0034			0.00095 (J)	0.26	<0.0025
10/19/2016		0.000845 (JD)	0.14			
12/7/2016	0.003	0.00056 (J)	0.11			<0.0025
12/8/2016				0.00078 (J)	0.26	
2/15/2017		0.00069 (J)				
2/16/2017	0.0033		0.11	0.00049 (J)	0.23	<0.0025
4/13/2017	0.0034	0.00049 (J)	0.094	<0.0025	0.19	<0.0025
6/27/2017	0.0037	0.00041 (J)				
6/28/2017			0.085	<0.0025	0.19	<0.0025
3/27/2018	0.0037	<0.0025				
3/28/2018			0.16	<0.0025	0.18	<0.0025
6/7/2018	0.0037	<0.0025			0.21	<0.0025
6/8/2018			0.19	<0.0025		
10/8/2018	0.0044	0.00046 (J)				<0.0025
10/9/2018				<0.0025		
10/18/2018			0.21		0.16	
2/20/2019	0.0038	0.00035 (J)	0.19	0.00012 (J)	0.18	0.00011 (J)
4/2/2019	0.0041	<0.0025	0.18	<0.0025	0.13	<0.0025
9/17/2019	0.0042	0.00048 (J)	0.16	0.00013 (J)	0.13	8.7E-05 (J)
2/18/2020					0.12	0.00014 (J)
2/19/2020	0.0047	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)				
3/26/2020			0.15			
3/27/2020	0.0047					
9/15/2020	0.0043	0.00041 (J)	0.12	0.00016 (J)	0.098	0.00022 (J)
2/9/2021	0.0045					
2/10/2021		0.00049 (J)	0.11	0.00013 (J)	0.17	0.00017 (J)
3/30/2021			0.11	<0.0025	0.15	0.00016 (J)
4/1/2021	0.0049	0.00041 (J)				
8/18/2021		0.00043 (J)	0.095			0.00016 (J)
8/19/2021	0.0051			<0.0025	0.2	
Mean	0.003887	0.0009142	0.1356	0.001458	0.191	0.00156
Std. Dev.	0.0006948	0.0008249	0.03601	0.001091	0.04957	0.001181
Upper Lim.	0.004281	0.000845	0.156	0.0025	0.2191	0.0025
Lower Lim.	0.003492	0.00041	0.1152	0.00016	0.1628	0.00016

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			<0.0025	0.0116	0.00265 (J)	0.0156
5/12/2016	0.00619 (J)	<0.0025				
6/27/2016			0.002 (J)	0.0143	0.0012 (J)	
6/29/2016	0.0051 (J)	<0.0025				0.0147
8/17/2016			0.0018 (J)	0.012	0.00049 (J)	
8/19/2016	0.0045	<0.0025				
8/22/2016						0.017
10/17/2016			0.0016 (J)		<0.0025	
10/18/2016	0.0043	<0.0025		0.0099		0.017
12/6/2016			0.0012 (J)	0.011	<0.0025	
12/7/2016	0.0034	<0.0025				0.014
2/14/2017			0.0022 (J)	0.0093	<0.0025	
2/15/2017		<0.0025				
2/16/2017	0.0031					0.014
4/12/2017			0.0023 (J)	0.0062	<0.0025	
4/13/2017	0.0031	<0.0025				0.014
6/27/2017			0.0045	0.021	<0.0025	0.013
6/28/2017	0.0029	<0.0025				
3/27/2018		<0.0025	0.004	0.0054	<0.0025	
3/28/2018	0.0022 (J)					0.0087
6/6/2018			0.0021 (J)	0.0034	<0.0025	0.0064
6/7/2018	0.0022 (J)	<0.0025				
10/8/2018	0.0021 (J)	<0.0025	<0.0025			
10/9/2018				0.013	<0.0025	0.0049
2/19/2019	0.0018 (J)	<0.0025				
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	0.0018 (J)	<0.0025	<0.0025			
9/16/2019			0.00013 (J)			0.001 (J)
9/17/2019				0.0039	0.00013 (J)	
9/18/2019	0.002 (J)	0.00013 (J)				
2/18/2020	0.0018 (J)	<0.0025	<0.0025	0.0067	<0.0025	
2/19/2020						0.0082
3/24/2020	0.0016 (J)	<0.0025				
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)
9/15/2020	0.0014 (J)	<0.0025				
2/9/2021			<0.0025	0.0069	<0.0025	0.0032
2/10/2021	0.0015 (J)	<0.0025				
3/31/2021	0.0011 (J)	<0.0025				0.0046
4/1/2021			<0.0025	0.0029	<0.0025	
8/18/2021	0.001 (J)	<0.0025	0.00024 (J)	0.0021 (J)	0.00021 (J)	
8/19/2021						0.00072 (J)
Mean	0.002655	0.002381	0.001997	0.007975	0.001882	0.009195
Std. Dev.	0.001416	0.0005299	0.001173	0.00476	0.001008	0.005551
Upper Lim.	0.003459	0.0025	0.002257	0.01068	0.0025	0.01235
Lower Lim.	0.00185	0.00013	0.0008752	0.005272	0.00049	0.006043

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.26 (U)	0.182 (U)	0.433			
5/12/2016				0.0531 (U)	0.106 (U)	0.344 (U)
6/28/2016	1.57	0.858	0.435 (U)	0.483 (U)	0.735 (U)	0.256 (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)
10/17/2016	-0.0725 (U)	0.551	0.316 (U)	0.472	-0.187 (U)	
10/18/2016						0.171 (U)
12/6/2016	0.496	0.438	0.0575 (U)	0.903		
12/7/2016					0.701	0.375 (U)
2/15/2017	0.321 (U)	-0.0831 (U)	-0.0321 (U)	-0.223 (U)	0.155 (U)	0.0801 (U)
4/12/2017	-0.0397 (U)	0.343 (U)	0.00949 (U)	0.21 (U)	0.233 (U)	0.197 (U)
6/27/2017	0.47	0.369	0.183 (U)	0.0574 (U)	0.302	0.0274 (U)
3/27/2018	0.136 (U)	0.172 (U)	0.445	0.145 (U)	0.306 (U)	0.285 (U)
6/6/2018	0.123 (U)	0.153 (U)	0.0775 (U)			
6/7/2018				0.235 (U)	0.211 (U)	0.64
10/8/2018			0.865	0.64	0.636	
10/9/2018	0.387					
10/16/2018		1.06				0.731
2/20/2019	0.0159 (U)	0.708	0.161 (U)	0.222 (U)	0.147 (U)	0.573
4/1/2019	0.452	0.173 (U)	0.372	0.36	-0.138 (U)	0.0499 (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)
2/18/2020		0.203 (U)				
2/19/2020	0.0222 (U)		0.166 (U)	0.218 (U)	0.0061 (U)	0.415 (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)
9/14/2020	0.125 (U)	-0.0264 (U)	0.575	0.613		
9/15/2020					0.131 (U)	0.546
2/9/2021	-0.0573 (U)	0.114 (U)	0.146 (U)	0.307 (U)	-0.121 (U)	0.222 (U)
3/31/2021	0.188 (U)					0.311 (U)
4/6/2021					-0.0391 (U)	
4/7/2021		0.0576 (U)	0.0695 (U)	0.356 (U)		
8/19/2021	0.102 (U)	0.755		0.228 (U)	-0.0806 (U)	0.518
8/20/2021			0.0109 (U)			
Mean	0.2763	0.3425	0.2838	0.2972	0.1893	0.3538
Std. Dev.	0.3592	0.3039	0.2448	0.2432	0.2627	0.1969
Upper Lim.	0.452	0.515	0.4228	0.4353	0.3384	0.4656
Lower Lim.	0.0222	0.1699	0.1448	0.1591	0.0401	0.2419

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.0196 (U)	0.134 (U)			0.556	0.216 (U)
5/13/2016			0.103 (U)	-0.115 (U)		
6/28/2016	0.418 (U)					
6/29/2016		0.391 (U)		0.396 (U)	0.162 (U)	0.253 (U)
6/30/2016			0.593 (U)			
8/18/2016	0.199 (U)	0.498 (U)				
8/22/2016			0.17 (U)	-0.102 (U)	0.433 (U)	0.115 (U)
10/18/2016	0.0404 (U)			0.352 (U)	0.741	0.593
10/19/2016		0.639	0.433			
12/7/2016	0.426	0.239 (U)	0.435 (U)			0.897
12/8/2016				0.431 (U)	1.06	
2/15/2017		0.175 (U)				
2/16/2017	0.163 (U)		0.101 (U)	0.146 (U)	0.382 (U)	0.132 (U)
4/13/2017	0.0522 (U)	-0.00846 (U)	-0.0014 (U)	0.127 (U)	0.189 (U)	0.287 (U)
6/27/2017	0.222 (U)	0.186 (U)				
6/28/2017			0.512	0.11 (U)	0.84	0.143 (U)
3/27/2018	0.387 (U)	0.249 (U)				
3/28/2018			0.428	0.247 (U)	0.334 (U)	0.38
6/7/2018	0.283 (U)	0.172 (U)			0.235 (U)	0.514
6/8/2018			0.32 (U)	0.0462 (U)		
10/8/2018	0.799	0.682				0.374
10/9/2018				0.584		
10/18/2018			0.304 (U)		0.399	
2/20/2019	0.0684 (U)	0.278 (U)	0.139 (U)	0.114 (U)	0.353	0.239 (U)
4/2/2019	0.167 (U)	-0.0476 (U)	0.336 (U)	0.11 (U)	0.271 (U)	0.218 (U)
9/17/2019	0.558	0.235 (U)	0.449	0.302 (U)	0.591	-0.04 (U)
2/18/2020					0.474	0.287 (U)
2/19/2020	0.0321 (U)	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				
3/26/2020			0.366 (U)			
3/27/2020	0.305 (U)					
9/15/2020	-0.0426 (U)	0.661	1.74	1.55	0.831	1.6
2/9/2021	-0.00967 (U)					
2/10/2021		0.55	0.423 (U)	0.235 (U)	0.331 (U)	0.5
3/30/2021			0.439 (U)	0.511	0.572	0.955
4/1/2021	0.0901 (U)	0.0517 (U)				
8/18/2021		0.13 (U)	0.277 (U)			0.505
8/19/2021	0.037 (U)			-0.0514 (U)	-0.21 (U)	
Mean	0.2107	0.2929	0.3893	0.2736	0.4401	0.4276
Std. Dev.	0.2184	0.2192	0.3538	0.3561	0.2852	0.3703
Upper Lim.	0.3347	0.4174	0.439	0.396	0.602	0.514
Lower Lim.	0.08673	0.1684	0.17	0.11	0.2782	0.216

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.0394 (U)	0.214 (U)	2.05	0.134 (U)
5/12/2016	0.285 (U)	0.801				
6/27/2016			0.624 (U)	0.581 (U)	2.9	
6/29/2016	1.1	0.423 (U)				0.665 (U)
8/17/2016			0.572	0.665	2.57	
8/19/2016	0.367 (U)	0.869				
8/22/2016						0.391 (U)
10/17/2016			0.307 (U)		2.08	
10/18/2016	0.276 (U)	0.881		0.453		0.521
12/6/2016			0.122 (U)	0.368 (U)	2.25	
12/7/2016	0.318 (U)	0.455				0.367 (U)
2/14/2017			0.166 (U)	0.328 (U)	1.77	
2/15/2017		0.635				
2/16/2017	0.168 (U)					0.076 (U)
4/12/2017			0.355 (U)	0.206 (U)	2.72	
4/13/2017	0.3 (U)	0.413				0.239 (U)
6/27/2017			0.0783 (U)	0.598	2.07	0.268 (U)
6/28/2017	0.0844 (U)	0.331 (U)				
3/27/2018		0.61	0.0443 (U)	0.546	2.3	
3/28/2018	0.0661 (U)					0.378
6/6/2018			0.127 (U)	0.165 (U)	1.59	-0.0272 (U)
6/7/2018	0.222 (U)	0.64				
10/8/2018	0.499	0.437	0.77			
10/9/2018				0.385	3.01	0.565
2/19/2019	0.532	0.301 (U)				
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	0.313 (U)	0.516	0.3 (U)			
9/16/2019			0.0805 (U)			-0.116 (U)
9/17/2019				0.341 (U)	2.04	
9/18/2019	0.101 (U)	0.285 (U)				
2/18/2020	0.0109 (U)	0.399	-0.0675 (U)	0.326 (U)	2.06	
2/19/2020						0.0604 (U)
3/24/2020	0.188 (U)	0.183 (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)
9/15/2020	1.82	1.03				
2/9/2021			0.273 (U)	0.721	2.92	0.0162 (U)
2/10/2021	0.167 (U)	0.46				
3/31/2021	0.0687 (U)	0.37 (U)				0.153 (U)
4/1/2021			0.544	0.329 (U)	2.26	
8/18/2021	0.026 (U)	0.603	-0.0332 (U)	0.726	1.68	
8/19/2021						0.145 (U)
Mean	0.3456	0.5321	0.2648	0.4167	2.292	0.2479
Std. Dev.	0.4239	0.2243	0.2306	0.1965	0.4381	0.2207
Upper Lim.	0.4627	0.6595	0.3958	0.5283	2.54	0.3732
Lower Lim.	0.1214	0.4047	0.1339	0.3051	2.043	0.1226

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	0.019 (J)	0.033 (J)	0.11 (J)			
5/12/2016				0.042 (J)	0.031 (J)	0.1071 (J)
6/28/2016	<0.1	0.08 (J)	0.18 (J)	0.15 (J)	0.03 (J)	0.26 (J)
8/17/2016	<0.1	<0.1				
8/18/2016			0.12 (J)	<0.1	<0.1	0.14 (J)
10/17/2016	<0.1	<0.1	0.082 (J)	<0.1	<0.1	
10/18/2016						0.12 (J)
12/6/2016	<0.1	<0.1	0.11 (J)	<0.1		
12/7/2016					<0.1	0.13 (J)
2/15/2017	<0.1	<0.1	0.13 (J)	<0.1	<0.1	0.12 (J)
4/12/2017	<0.1	<0.1	0.088 (J)	<0.1	<0.1	0.11 (J)
6/27/2017	<0.1	<0.1	0.1 (J)	<0.1	<0.1	0.13 (J)
10/11/2017		<0.1	<0.1	<0.1	<0.1	
10/12/2017	<0.1					0.13 (J)
3/27/2018	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 (J)
6/6/2018	<0.1	<0.1	<0.1			
6/7/2018				<0.1	<0.1	0.14 (J)
10/8/2018			<0.1	<0.1	<0.1	
10/9/2018	<0.1					
10/16/2018		<0.1				0.14 (J)
2/20/2019	<0.1	<0.1	0.052 (J)	<0.1	<0.1	0.33
4/1/2019	<0.1	<0.1	0.048 (J)	<0.1	<0.1	0.072 (J)
9/16/2019		<0.1	0.065 (J)			
9/17/2019	<0.1			0.04 (J)	0.028 (J)	0.1
2/18/2020		<0.1				
2/19/2020	<0.1		0.064 (J)	0.027 (J)	0.026 (J)	0.13
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
9/14/2020	<0.1	<0.1	0.042 (J)	<0.1		
9/15/2020					0.04 (J)	0.15
2/9/2021	<0.1	<0.1	0.074 (J)	<0.1	<0.1	0.14
3/31/2021	0.047 (J)					0.12
4/6/2021					<0.1	
4/7/2021		<0.1	0.066 (J)	0.053 (J)		
8/19/2021	<0.1	<0.1		<0.1	<0.1	0.12
8/20/2021			0.082 (J)			
Mean	0.09033	0.09386	0.09019	0.08843	0.08076	0.14
Std. Dev.	0.02467	0.01712	0.03143	0.02934	0.03133	0.05537
Upper Lim.	0.1	0.1	0.0991	0.1	0.1	0.14
Lower Lim.	0.047	0.08	0.06343	0.053	0.04	0.11

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.011 (J)	0.066 (J)			0.259 (J)	0.079 (J)
5/13/2016			0.0343 (J)	0.0126 (J)		
6/28/2016	0.09 (J)					
6/29/2016		0.17 (J)		0.18 (J)	0.45	0.15 (J)
6/30/2016			0.18 (J)			
8/18/2016	<0.1	<0.1				
8/22/2016			<0.1	<0.1	0.33	0.083 (J)
10/18/2016	<0.1			<0.1	0.26	<0.1
10/19/2016		<0.1	<0.1			
12/7/2016	<0.1	<0.1	<0.1			<0.1
12/8/2016				<0.1	0.28	
2/15/2017		0.089 (J)				
2/16/2017	<0.1		<0.1	<0.1	0.28	0.12 (J)
4/13/2017	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
6/27/2017	<0.1	<0.1				
6/28/2017			<0.1	<0.1	0.22	0.1 (J)
10/12/2017	<0.1	<0.1	<0.1	<0.1	0.18 (J)	<0.1
3/27/2018	<0.1	<0.1				
3/28/2018			<0.1	<0.1	0.19 (J)	<0.1
6/7/2018	<0.1	<0.1			0.21	<0.1
6/8/2018			<0.1	<0.1		
10/8/2018	<0.1	<0.1				<0.1
10/9/2018				<0.1		
10/18/2018			<0.1		0.23	
2/20/2019	<0.1	0.034 (J)	<0.1	<0.1	0.2	0.051 (J)
4/2/2019	<0.1	0.045 (J)	0.05 (J)	<0.1	0.15 (J)	0.066 (J)
9/17/2019	<0.1	0.047 (J)	0.034 (J)	<0.1	0.14	0.077 (J)
2/18/2020					0.16	0.073 (J)
2/19/2020	<0.1	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)				
3/26/2020			0.091 (J)			
3/27/2020	0.027 (J)					
9/15/2020	0.037 (J)	0.052 (J)	<0.1	<0.1	0.15	0.061 (J)
2/9/2021	<0.1					
2/10/2021		0.03 (J)	<0.1	<0.1	0.19	0.049 (J)
3/30/2021			0.1 (J)	<0.1	0.18	0.074 (J)
4/1/2021	<0.1	0.051 (J)				
8/18/2021		0.087 (J)	0.099 (J)			0.12
8/19/2021	0.038 (J)			<0.1	0.17	
Mean	0.08586	0.07976	0.09468	0.0976	0.2228	0.0911
Std. Dev.	0.02912	0.03333	0.02921	0.02808	0.07223	0.02457
Upper Lim.	0.1	0.07263	0.1	0.18	0.2561	0.09281
Lower Lim.	0.09	0.04436	0.099	0.057	0.1829	0.06581

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016			0.133 (J)	0.245 (J)	0.362	0.076 (J)
5/12/2016	0.029 (J)	0.0341 (J)				
6/27/2016			0.21 (J)	0.23 (J)	0.45	
6/29/2016	0.04 (J)	0.04 (J)				0.13 (J)
8/17/2016			0.14 (J)	0.22	0.54	
8/19/2016	<0.1	<0.1				
8/22/2016						<0.1
10/17/2016			0.11 (J)		0.51	
10/18/2016	<0.1	<0.1		0.24		<0.1
12/6/2016			0.14 (J)	0.26	0.58	
12/7/2016	<0.1	<0.1				<0.1
2/14/2017			0.2	0.17 (J)	0.39	
2/15/2017		0.092 (J)				
2/16/2017	0.1 (J)					0.097 (J)
4/12/2017			0.089 (J)	0.2	0.41	
4/13/2017	<0.1	<0.1				<0.1
6/27/2017			0.085 (J)	0.23	0.47	<0.1
6/28/2017	<0.1	<0.1				
10/11/2017			0.089 (J)	0.21		
10/12/2017	<0.1	<0.1			0.47	<0.1
3/27/2018		<0.1	<0.1	0.19 (J)	0.4	
3/28/2018	<0.1					<0.1
6/6/2018			<0.1	0.2	0.4	<0.1
6/7/2018	<0.1	<0.1				
10/8/2018	<0.1	<0.1	<0.1			
10/9/2018				0.2	0.47	<0.1
2/19/2019	<0.1	0.055 (J)				
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	0.036 (J)	0.1 (J)			
9/16/2019			0.099 (J)			0.057 (J)
9/17/2019				0.2	0.47	
9/18/2019	0.028 (J)	0.044 (J)				
2/18/2020	<0.1	0.082 (J)	0.11	0.2	0.38	
2/19/2020						0.061 (J)
3/24/2020	<0.1	0.081 (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)
9/15/2020	<0.1	0.052 (J)				
2/9/2021			0.12	0.22	0.37	0.05 (J)
2/10/2021	<0.1	0.046 (J)				
3/31/2021	<0.1	0.046 (J)				0.073 (J)
4/1/2021			0.14	0.25	0.38	
8/18/2021	0.054 (J)	0.11	0.19	0.31	0.48	
8/19/2021						0.078 (J)
Mean	0.08814	0.07705	0.1216	0.2069	0.4125	0.08348
Std. Dev.	0.02548	0.0275	0.03803	0.04616	0.08814	0.02388
Upper Lim.	0.1	0.1	0.1395	0.2324	0.4611	0.0808
Lower Lim.	0.1	0.046	0.1002	0.1814	0.3639	0.05677

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17
5/11/2016	<0.001					
5/12/2016		<0.001	<0.001	<0.001	<0.001	<0.001
6/28/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/29/2016						<0.001
8/17/2016	<0.001					
8/18/2016		<0.001	<0.001	<0.001	<0.001	<0.001
10/17/2016	<0.001	<0.001	<0.001			
10/18/2016				<0.001	<0.001	
10/19/2016						<0.001
12/6/2016	<0.001	<0.001				
12/7/2016			<0.001	<0.001	<0.001	<0.001
2/15/2017	<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		
4/13/2017					<0.001	<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	0.00039 (J)	<0.001	<0.001	<0.001	<0.001
6/6/2018	<0.001					
6/7/2018		<0.001	<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		
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001	<0.001	<0.001		
4/2/2019					<0.001	<0.001
9/17/2019	0.00013 (J)	<0.001	0.00016 (J)	<0.001	<0.001	<0.001
2/19/2020	0.00014 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/24/2020						<0.001
3/25/2020	<0.001					
3/27/2020		<0.001	0.00066 (J)	0.00023 (J)	0.00013 (J)	
9/14/2020	<0.001	<0.001				
9/15/2020			<0.001	<0.001	<0.001	<0.001
2/9/2021	0.00013 (J)	<0.001	<0.001	<0.001	<0.001	
2/10/2021						0.00017 (J)
3/31/2021	<0.001			<0.001		
4/1/2021					<0.001	<0.001
4/6/2021			<0.001			
4/7/2021		<0.001				
8/18/2021						<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
Mean	0.00087	0.0009695	0.000941	0.0009615	0.0009565	0.0009585
Std. Dev.	0.0003175	0.0001364	0.0001989	0.0001722	0.0001945	0.0001856
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00014	0.00039	0.00066	0.00023	0.00013	0.00017

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-20	SGWC-21	SGWC-22	SGWC-23	SGWC-6
5/11/2016						<0.001
5/12/2016		<0.001	<0.001	<0.001	<0.001	
5/13/2016	<0.001					
6/27/2016						<0.001
6/29/2016		0.0005 (J)	9E-05 (J)	<0.001	9E-05 (J)	
6/30/2016	<0.001					
8/17/2016						<0.001
8/19/2016				<0.001	<0.001	
8/22/2016	<0.001	<0.001	<0.001			
10/17/2016						<0.001
10/18/2016		<0.001	<0.001	<0.001	<0.001	
10/19/2016	<0.001					
12/6/2016						<0.001
12/7/2016	<0.001		<0.001	<0.001	<0.001	
12/8/2016		<0.001				
2/14/2017						<0.001
2/15/2017					<0.001	
2/16/2017	<0.001	0.00035 (J)	<0.001	<0.001		
4/12/2017						<0.001
4/13/2017	<0.001	<0.001	<0.001	<0.001	<0.001	
6/27/2017						<0.001
6/28/2017	<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		
6/6/2018						<0.001
6/7/2018		<0.001	<0.001	<0.001	<0.001	
6/8/2018	<0.001					
10/8/2018			<0.001	<0.001	<0.001	<0.001
10/18/2018	<0.001	<0.001				
2/19/2019				<0.001	<0.001	
2/20/2019	<0.001	0.00027 (J)	<0.001			<0.001
4/2/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019						<0.001
9/17/2019	<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	<0.001
2/20/2020	<0.001					
3/23/2020		0.00023 (J)	<0.001			
3/24/2020				<0.001	<0.001	
3/25/2020						0.0002 (J)
3/26/2020	<0.001					
9/14/2020						<0.001
9/15/2020	<0.001	0.00017 (J)	0.00022 (J)	0.00019 (J)	<0.001	
2/9/2021						<0.001
2/10/2021	0.00029 (J)	0.0003 (J)	0.00016 (J)	0.00016 (J)	<0.001	
3/30/2021	<0.001	0.00018 (J)	0.0002 (J)			
3/31/2021				0.00015 (J)	<0.001	
4/1/2021						<0.001
8/18/2021	0.00071 (J)		0.00041 (J)	<0.001	<0.001	<0.001
8/19/2021		0.00034 (J)				
Mean	0.00095	0.0006125	0.000804	0.000834	0.0009545	0.00096
Std. Dev.	0.0001683	0.0003667	0.0003526	0.0003407	0.0002035	0.0001789

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-20	SGWC-21	SGWC-22	SGWC-23	SGWC-6
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00071	0.00025	0.00041	0.00019	9E-05	0.0002

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8
5/11/2016	<0.001	<0.001
6/27/2016	<0.001	<0.001
8/17/2016	0.00085 (J)	<0.001
10/17/2016		<0.001
10/18/2016	<0.001	
12/6/2016	<0.001	<0.001
2/14/2017	<0.001	<0.001
4/12/2017	<0.001	<0.001
6/27/2017	<0.001	<0.001
3/27/2018	<0.001	<0.001
6/6/2018	<0.001	<0.001
10/9/2018	<0.001	<0.001
2/20/2019	<0.001	<0.001
4/1/2019	<0.001	<0.001
9/17/2019	<0.001	<0.001
2/18/2020	<0.001	<0.001
3/25/2020		0.00029 (J)
3/26/2020	<0.001	
9/14/2020	<0.001	<0.001
2/9/2021	0.00014 (J)	0.00062 (J)
4/1/2021	0.00015 (J)	<0.001
8/18/2021	<0.001	<0.001
Mean	0.000907	0.0009455
Std. Dev.	0.0002627	0.0001761
Upper Lim.	0.001	0.001
Lower Lim.	0.00085	0.00062

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005				
5/12/2016			<0.005	<0.005	<0.005	<0.005
6/28/2016	0.0013 (J)	<0.005	<0.005	<0.005	0.0024 (J)	<0.005
8/17/2016	<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		
10/18/2016					<0.005	<0.005
12/6/2016	<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	
2/16/2017						<0.005
4/12/2017	<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
3/27/2018	0.0029 (J)	<0.005	<0.005	<0.005	0.0034 (J)	<0.005
6/6/2018	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)
10/16/2018	0.0031 (J)				0.0034 (J)	
2/20/2019	0.0031 (J)	<0.005	<0.005	<0.005	0.0038 (J)	<0.005
4/1/2019	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	0.0037	<0.005
2/18/2020	<0.005					
2/19/2020		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<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			
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
3/31/2021					<0.005	
4/1/2021						<0.005
4/6/2021				<0.005		
4/7/2021	<0.005	<0.005	<0.005			
8/19/2021	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021		<0.005				
Mean	0.00419	0.004805	0.00482	0.004805	0.004235	0.004825
Std. Dev.	0.001337	0.0008721	0.000805	0.0008721	0.0009371	0.0007826
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0031	0.0011	0.0014	0.0011	0.0034	0.0015

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22
5/12/2016	<0.005			<0.05 (O)	<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
6/30/2016		0.0032 (J)				
8/18/2016	<0.005					
8/19/2016						<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
10/19/2016	<0.005	0.0042 (J)				
12/7/2016	<0.005	<0.005			<0.005	<0.005
12/8/2016			<0.005	0.0043 (J)		
2/15/2017	<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
6/27/2017	<0.005					
6/28/2017		<0.005	<0.005	0.0032 (J)	<0.005	<0.005
3/27/2018	0.0014 (J)					
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
6/8/2018		0.0042 (J)	0.0022 (J)			
10/8/2018	<0.005				0.0019 (J)	0.0011 (J)
10/9/2018			<0.005			
10/18/2018		0.0054		0.0062		
2/19/2019						<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)
9/17/2019	<0.005	0.005	<0.005	0.0042	<0.005	
9/18/2019						<0.005
2/18/2020				0.0036 (J)	<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
3/26/2020		0.0046 (J)				
9/15/2020	<0.005	0.0049 (J)	<0.005	0.0037 (J)	<0.005	<0.005
2/10/2021	<0.005	0.0055	<0.005	0.0047 (J)	<0.005	<0.005
3/30/2021		0.0043 (J)	<0.005	<0.005	<0.005	
3/31/2021						<0.005
4/1/2021	<0.005					
8/18/2021	<0.005	0.0047 (J)			<0.005	<0.005
8/19/2021			<0.005	0.0046 (J)		
Mean	0.00482	0.0047	0.004715	0.004442	0.004485	0.0046
Std. Dev.	0.000805	0.0006497	0.0008774	0.0006995	0.001141	0.001043
Upper Lim.	0.005	0.004799	0.005	0.004852	0.005	0.005
Lower Lim.	0.0014	0.003991	0.0022	0.004033	0.0038	0.0033

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-7	SGWC-8
5/11/2016		<0.05 (O)	<0.005
5/12/2016	<0.005		
6/27/2016		0.0031 (J)	0.0013 (J)
6/29/2016	0.0027 (J)		
8/17/2016		0.0046 (J)	<0.005
8/19/2016	<0.005		
10/17/2016			<0.005
10/18/2016	0.0032 (J)	0.0036 (J)	
12/6/2016		0.0043 (J)	<0.005
12/7/2016	0.0043 (J)		
2/14/2017		0.0043 (J)	<0.005
2/15/2017	<0.005		
4/12/2017		0.0051	<0.005
4/13/2017	0.0036 (J)		
6/27/2017		0.0033 (J)	<0.005
6/28/2017	0.0032 (J)		
3/27/2018	0.005	0.0061	0.0023 (J)
6/6/2018		0.004 (J)	0.0018 (J)
6/7/2018	0.0027 (J)		
10/8/2018	0.0035 (J)		
10/9/2018		0.0053	0.002 (J)
2/19/2019	<0.005		
2/20/2019		0.006	<0.005
4/1/2019		0.0058	0.0021 (J)
4/2/2019	0.0041 (J)		
9/17/2019		0.0049	<0.005
9/18/2019	0.0043		
2/18/2020	<0.005	0.0052	<0.005
3/24/2020	<0.005		
3/25/2020			<0.005
3/26/2020		0.006	
9/14/2020		0.0051	<0.005
9/15/2020	<0.005		
2/9/2021		0.0052	<0.005
2/10/2021	<0.005		
3/31/2021	<0.005		
4/1/2021		0.0053	<0.005
8/18/2021	<0.005	0.0034 (J)	<0.005
Mean	0.00433	0.004768	0.004225
Std. Dev.	0.0008609	0.0009511	0.001388
Upper Lim.	0.005	0.005325	0.005
Lower Lim.	0.0035	0.004212	0.0023

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.0002	<0.0002	<0.0002			
5/12/2016				<0.0002	<0.0002	<0.0002
6/28/2016	<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)
10/17/2016	<0.0002	<0.0002	<0.0002	<0.0002	8.9E-05 (J)	
10/18/2016						0.00012 (J)
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)
2/15/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00011 (J)
4/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.2E-05 (J)
6/27/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	8.4E-05 (J)
3/27/2018	<0.0002	<0.0002	<0.0002	<0.0002	0.0001 (J)	0.00014 (J)
6/6/2018	<0.0002	<0.0002	<0.0002			
6/7/2018				<0.0002	<0.0002	0.00013 (J)
10/8/2018			<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
4/1/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/16/2019		<0.0002	<0.0002			
9/17/2019	<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)
3/25/2020	<0.0002	<0.0002				
3/26/2020			<0.0002			
3/27/2020				<0.0002	<0.0002	0.00011 (J)
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002		
9/15/2020					<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)
3/31/2021	<0.0002					0.00018 (J)
4/6/2021					<0.0002	
4/7/2021		<0.0002	<0.0002	<0.0002		
8/19/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
8/20/2021			<0.0002			
Mean	0.0001965	0.000195	0.0001946	0.0001955	0.0001854	0.0001558
Std. Dev.	1.565E-05	2.236E-05	2.393E-05	2.012E-05	3.59E-05	4.458E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	0.0001	9.3E-05	0.00011	0.00012	0.00011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-20	SGWC-21	SGWC-22
5/12/2016	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
5/13/2016			<0.0002			
6/28/2016	<0.0002					
6/29/2016		<0.0002		<0.0002	<0.0002	<0.0002
6/30/2016			<0.0002			
8/18/2016	<0.0002	<0.0002				
8/19/2016						<0.0002
8/22/2016			0.00014 (J)	7.3E-05 (J)	<0.0002	
10/18/2016	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2016		<0.0002	<0.0002			
12/7/2016	7.6E-05 (J)	0.00011 (J)	0.00014 (J)		0.0001 (J)	9.9E-05 (J)
12/8/2016				<0.0002		
2/15/2017		<0.0002				
2/16/2017	<0.0002		8.4E-05 (J)	<0.0002	<0.0002	<0.0002
4/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/27/2017	<0.0002	<0.0002				
6/28/2017			<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
6/7/2018	<0.0002	0.00011 (J)		8.2E-05 (J)	<0.0002	<0.0002
6/8/2018			0.00014 (J)			
10/8/2018	<0.0002	<0.0002			<0.0002	<0.0002
10/18/2018			0.00021	<0.0002		
2/19/2019						<0.0002
2/20/2019	<0.0002	<0.0002	0.00026	<0.0002	<0.0002	
4/2/2019	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002
9/17/2019	<0.0002	<0.0002	0.00014 (J)	<0.0002	<0.0002	
9/18/2019						<0.0002
2/18/2020				<0.0002	<0.0002	<0.0002
2/19/2020	<0.0002	<0.0002				
2/20/2020			0.00022			
3/23/2020				<0.0002	<0.0002	
3/24/2020		<0.0002				<0.0002
3/26/2020			0.00019 (J)			
3/27/2020	<0.0002					
9/15/2020	<0.0002	<0.0002	0.00013 (J)	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002					
2/10/2021		<0.0002	0.00018 (J)	<0.0002	<0.0002	<0.0002
3/30/2021			0.00022	0.00013 (J)	<0.0002	
3/31/2021						<0.0002
4/1/2021	<0.0002	<0.0002				
8/18/2021		0.00017 (J)	0.00022		<0.0002	<0.0002
8/19/2021	<0.0002			<0.0002		
Mean	0.0001938	0.0001895	0.0001778	0.0001842	0.000195	0.0001949
Std. Dev.	2.773E-05	2.8E-05	4.703E-05	3.973E-05	2.236E-05	2.258E-05
Upper Lim.	0.0002	0.0002	0.0001748	0.0002	0.0002	0.0002
Lower Lim.	7.6E-05	0.00017	0.0001126	0.00013	0.0001	9.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016		<0.0002	<0.0002	<0.0002	<0.0002
5/12/2016	<0.0002				
6/27/2016		<0.0002	<0.0002	<0.0002	
6/29/2016	<0.0002				<0.0002
8/17/2016		<0.0002	<0.0002	<0.0002	
8/19/2016	7.1E-05 (J)				
8/22/2016					<0.0002
10/17/2016		<0.0002		<0.0002	
10/18/2016	<0.0002		<0.0002		<0.0002
12/6/2016		0.00011 (J)	0.00011 (J)	7.6E-05 (J)	
12/7/2016	0.00011 (J)				0.0001 (J)
2/14/2017		<0.0002	<0.0002	<0.0002	
2/15/2017	<0.0002				
2/16/2017					<0.0002
4/12/2017		<0.0002	<0.0002	<0.0002	
4/13/2017	<0.0002				<0.0002
6/27/2017		<0.0002	<0.0002	<0.0002	<0.0002
6/28/2017	<0.0002				
3/27/2018	<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2018					<0.0002
6/6/2018		<0.0002	<0.0002	<0.0002	<0.0002
6/7/2018	0.00028				
10/8/2018	<0.0002	<0.0002			
10/9/2018			<0.0002	<0.0002	<0.0002
2/19/2019	<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	<0.0002			
9/16/2019		<0.0002			<0.0002
9/17/2019			<0.0002	<0.0002	
9/18/2019	<0.0002				
2/18/2020	0.00011 (J)	<0.0002	<0.0002	<0.0002	
2/19/2020					<0.0002
3/24/2020	<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
9/15/2020	<0.0002				
2/9/2021		<0.0002	<0.0002	<0.0002	<0.0002
2/10/2021	<0.0002				
3/31/2021	<0.0002				<0.0002
4/1/2021		<0.0002	<0.0002	<0.0002	
8/18/2021	<0.0002	<0.0002	<0.0002	<0.0002	
8/19/2021					<0.0002
Mean	0.0001885	0.0001955	0.0001955	0.0001938	0.000195
Std. Dev.	4.39E-05	2.012E-05	2.012E-05	2.773E-05	2.236E-05
Upper Lim.	0.00028	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00011	0.00011	0.00011	7.6E-05	0.0001

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-12	SGWC-14	SGWC-6	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.015		<0.015	0.00343 (J)	<0.015	<0.015
5/12/2016		<0.015				
6/27/2016			0.0007 (J)	0.0033 (J)	0.0008 (J)	
6/28/2016	0.0012 (J)	<0.015				
6/29/2016						0.0021 (J)
8/17/2016			<0.015	0.002 (J)	<0.015	
8/18/2016	0.0011 (J)	<0.015				
8/22/2016						0.00099 (J)
10/17/2016	<0.015	<0.015	<0.015		<0.015	
10/18/2016				0.0012 (J)		0.0014 (J)
12/6/2016	<0.015		<0.015	0.0021 (J)	<0.015	
12/7/2016		<0.015				0.001 (J)
2/14/2017			<0.015	<0.015	<0.015	
2/15/2017	<0.015	0.003 (J)				
2/16/2017						<0.015
4/12/2017	<0.015	<0.015	<0.015	0.0033 (J)	<0.015	
4/13/2017						0.001 (J)
6/27/2017	<0.015	<0.015	0.00099 (J)	0.0021 (J)	<0.015	<0.015
3/27/2018	<0.015	<0.015	<0.015	<0.015	<0.015	
3/28/2018						<0.015
10/8/2018	<0.015	<0.015	<0.015			
10/9/2018				<0.015	<0.015	<0.015
2/20/2019	<0.015	<0.015	<0.015	0.0013 (J)	<0.015	0.00075 (J)
4/1/2019	<0.015	<0.015		<0.015	<0.015	<0.015
4/2/2019			<0.015			
9/16/2019	<0.015		<0.015			0.00067 (J)
9/17/2019		<0.015		0.0014 (J)	<0.015	
2/18/2020			<0.015	0.0014 (J)	<0.015	
2/19/2020	<0.015	<0.015				0.00063 (J)
3/25/2020			<0.015		<0.015	<0.015
3/26/2020	<0.015			0.001 (J)		
3/27/2020		0.00081 (J)				
9/14/2020	<0.015		<0.015	0.0012 (J)	<0.015	<0.015
9/15/2020		<0.015				
2/9/2021	<0.015	<0.015	<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	
4/6/2021		<0.015				
4/7/2021	<0.015					
8/18/2021			<0.015	0.0016 (J)	<0.015	
8/19/2021		<0.015				<0.015
8/20/2021	<0.015					
Mean	0.01354	0.01362	0.01351	0.004612	0.01425	0.008377
Std. Dev.	0.004367	0.004145	0.004463	0.005563	0.003258	0.007179
Upper Lim.	0.015	0.015	0.015	0.00343	0.015	0.015
Lower Lim.	0.0012	0.003	0.00099	0.0013	0.0008	0.00075

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<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	0.0101	<0.005
8/17/2016	<0.005					
8/18/2016		0.00031 (J)	<0.005	<0.005	0.0014	0.00053 (J)
10/17/2016	<0.005	<0.005	0.0003 (J)	<0.005		
10/18/2016					0.0013	<0.005
12/6/2016	<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	0.00066 (J)	0.00075 (J)	
2/16/2017						<0.005
4/12/2017	<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	0.0013	0.001 (J)
3/27/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/6/2018	<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
10/16/2018	0.00046 (J)				0.0021	
2/20/2019	<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	
4/2/2019						0.0021
9/16/2019	<0.005	<0.005				
9/17/2019			<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
3/25/2020	<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			
9/15/2020				<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021					<0.005	
4/1/2021						<0.005
4/6/2021				<0.005		
4/7/2021	<0.005	<0.005	<0.005			
8/19/2021	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021		<0.005				
Mean	0.004773	0.004765	0.004547	0.004575	0.004105	0.003876
Std. Dev.	0.001015	0.001049	0.001395	0.001308	0.00264	0.001781
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00046	0.00031	0.00064	0.00084	0.0014	0.0014

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	SGWC-6
5/11/2016						<0.005
5/12/2016	<0.005			0.00396 (J)	<0.005	
5/13/2016		0.023	<0.005			
6/27/2016						<0.005
6/29/2016	<0.005		<0.005	0.0053 (J)	<0.005	
6/30/2016		0.0263				
8/17/2016						<0.005
8/18/2016	<0.005					
8/19/2016					<0.005	
8/22/2016		0.0066	<0.005	0.0012 (J)		
10/17/2016						<0.005
10/18/2016			<0.005	<0.005	<0.005	
10/19/2016	<0.005	0.0057				
12/6/2016						<0.005
12/7/2016	<0.005	0.006			<0.005	
12/8/2016			<0.005	<0.005		
2/14/2017						<0.005
2/15/2017	<0.005				<0.005	
2/16/2017		0.0055	<0.005	<0.005		
4/12/2017						0.00034 (J)
4/13/2017	<0.005	0.0049	<0.005	<0.005	<0.005	
6/27/2017	0.00024 (J)					0.00057 (J)
6/28/2017		0.0047	0.00096 (J)	0.00064 (J)	0.00033 (J)	
3/27/2018	<0.005				<0.005	<0.005
3/28/2018		0.0085	<0.005	<0.005		
6/6/2018						0.00032 (J)
6/7/2018	0.00064 (J)			0.00066 (J)	<0.005	
6/8/2018		0.014	0.00063 (J)			
10/8/2018	0.00028 (J)				0.00026 (J)	<0.005
10/9/2018			0.0005 (J)			
10/18/2018		0.017		0.00049 (J)		
2/19/2019					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
9/16/2019						<0.005
9/17/2019	<0.005	0.0036	<0.005	<0.005		
9/18/2019					<0.005	
2/18/2020				<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		
3/24/2020	<0.005				<0.005	
3/25/2020						<0.005
3/26/2020		0.0019 (J)				
9/14/2020						<0.005
9/15/2020	<0.005	0.003 (J)	<0.005	<0.005	<0.005	
2/9/2021						<0.005
2/10/2021	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	
3/30/2021		<0.005	<0.005	<0.005		
3/31/2021					<0.005	
4/1/2021	<0.005					<0.005
8/18/2021	<0.005	0.002 (J)			<0.005	<0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	SGWC-6
8/19/2021			<0.005	<0.005		
Mean	0.004308	0.00881	0.004354	0.003917	0.00429	0.004311
Std. Dev.	0.001692	0.00815	0.001578	0.001858	0.001734	0.001682
Upper Lim.	0.005	0.01166	0.005	0.005	0.005	0.005
Lower Lim.	0.00064	0.004039	0.00096	0.0012	0.00033	0.00057

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7
5/11/2016	<0.005
6/27/2016	<0.005
8/17/2016	<0.005
10/18/2016	<0.005
12/6/2016	<0.005
2/14/2017	<0.005
4/12/2017	<0.005
6/27/2017	<0.005
3/27/2018	<0.005
6/6/2018	<0.005
10/9/2018	0.00034 (J)
2/20/2019	<0.005
4/1/2019	<0.005
9/17/2019	<0.005
2/18/2020	<0.005
3/26/2020	<0.005
9/14/2020	<0.005
2/9/2021	<0.005
4/1/2021	<0.005
8/18/2021	<0.005
Mean	0.004767
Std. Dev.	0.001042
Upper Lim.	0.005
Lower Lim.	0.00034

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.001	<0.001	<0.001			
5/12/2016				<0.001	<0.001	<0.001
6/28/2016	0.0001 (J)	<0.001	<0.001	<0.001	<0.001	9E-05 (J)
8/17/2016	<0.001	<0.001				
8/18/2016			<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
12/6/2016	<0.001	<0.001	<0.001	<0.001		
12/7/2016					<0.001	<0.001
2/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001	8.5E-05 (J)
4/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
3/27/2018	<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
10/8/2018			<0.001	<0.001	<0.001	
10/9/2018	<0.001					
10/16/2018		<0.001				0.0001 (J)
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	9.8E-05 (J)
4/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)
9/16/2019		<0.001	<0.001			
9/17/2019	<0.001			<0.001	<0.001	0.00016 (J)
2/18/2020		0.00016 (J)				
2/19/2020	0.00075 (J)		0.00034 (J)	0.00022 (J)	0.00018 (J)	0.00031 (J)
3/25/2020	<0.001	<0.001				
3/26/2020			<0.001			
3/27/2020				<0.001	0.0011	0.00045 (J)
9/14/2020	<0.001	<0.001	0.00023 (J)	<0.001		
9/15/2020					0.00035 (J)	0.00027 (J)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021	<0.001					<0.001
4/6/2021					0.00017 (J)	
4/7/2021		<0.001	<0.001	<0.001		
8/19/2021	0.00024 (J)	0.00015 (J)		<0.001	<0.001	<0.001
8/20/2021			<0.001			
Mean	0.0009045	0.0009155	0.0009285	0.000961	0.00089	0.0005427
Std. Dev.	0.0002583	0.0002601	0.0002208	0.0001744	0.0002858	0.0004335
Upper Lim.	0.001	0.001	0.001	0.001	0.0011	0.001
Lower Lim.	0.00075	0.00016	0.00034	0.00022	0.00035	9.8E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-20	SGWC-22	SGWC-23	SGWC-6
5/11/2016						<0.001
5/12/2016	<0.001		<0.001	<0.001	<0.001	
5/13/2016		<0.001				
6/27/2016						<0.001
6/29/2016	<0.001		0.0002 (J)	<0.001	<0.001	
6/30/2016		0.0002 (J)				
8/17/2016						<0.001
8/18/2016	<0.001					
8/19/2016				<0.001	<0.001	
8/22/2016		0.00015 (J)	0.00018 (J)			
10/17/2016						<0.001
10/18/2016			0.00016 (J)	<0.001	<0.001	
10/19/2016	<0.001	0.00012 (J)				
12/6/2016						<0.001
12/7/2016	<0.001	9.5E-05 (J)		<0.001	<0.001	
12/8/2016			0.0001 (J)			
2/14/2017						<0.001
2/15/2017	<0.001				<0.001	
2/16/2017		0.00013 (J)	0.00014 (J)	<0.001		
4/12/2017						<0.001
4/13/2017	<0.001	0.00012 (J)	0.00021 (J)	<0.001	<0.001	
6/27/2017	<0.001					<0.001
6/28/2017		0.00013 (J)	0.00018 (J)	<0.001	<0.001	
3/27/2018	<0.001				<0.001	<0.001
3/28/2018		0.00011 (J)	9E-05 (J)	<0.001		
6/6/2018						<0.001
6/7/2018	<0.001		0.00014 (J)	<0.001	<0.001	
6/8/2018		0.00019 (J)				
10/8/2018	<0.001			<0.001	<0.001	<0.001
10/18/2018		0.00019 (J)	0.00018 (J)			
2/19/2019				<0.001	<0.001	
2/20/2019	<0.001	0.00021 (J)	0.00018 (J)			<0.001
4/2/2019	<0.001	0.00016 (J)	0.00017 (J)	<0.001	<0.001	<0.001
9/16/2019						<0.001
9/17/2019	<0.001	0.00025 (J)	0.00021 (J)			
9/18/2019				<0.001	<0.001	
2/18/2020			0.00033 (J)	<0.001	<0.001	0.00028 (J)
2/19/2020	<0.001					
2/20/2020		0.00066 (J)				
3/23/2020			0.00016 (J)			
3/24/2020	<0.001			<0.001	<0.001	
3/25/2020						0.00049 (J)
3/26/2020		0.00029 (J)				
9/14/2020						<0.001
9/15/2020	<0.001	0.00027 (J)	0.00028 (J)	0.00038 (J)	0.00016 (J)	
2/9/2021						<0.001
2/10/2021	0.00024 (J)	0.00068 (J)	0.00025 (J)	<0.001	<0.001	
3/30/2021		0.00024 (J)	0.00018 (J)			
3/31/2021				<0.001	<0.001	
4/1/2021	<0.001					0.00023 (J)
8/18/2021	<0.001	0.00022 (J)		<0.001	<0.001	0.00017 (J)
8/19/2021			0.00018 (J)			

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-20	SGWC-22	SGWC-23	SGWC-6
Mean	0.000962	0.0002708	0.000226	0.000969	0.000958	0.0008585
Std. Dev.	0.0001699	0.0002346	0.0001903	0.0001386	0.0001878	0.0002956
Upper Lim.	0.001	0.0003079	0.00021	0.001	0.001	0.001
Lower Lim.	0.00024	0.0001496	0.00016	0.00038	0.00016	0.00049

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/15/2021 1:30 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8	SGWC-9
5/11/2016	<0.001	<0.001	<0.001
6/27/2016	<0.001	<0.001	
6/29/2016			<0.001
8/17/2016	<0.001	<0.001	
8/22/2016			<0.001
10/17/2016		<0.001	
10/18/2016	<0.001		<0.001
12/6/2016	<0.001	<0.001	
12/7/2016			<0.001
2/14/2017	<0.001	<0.001	
2/16/2017			<0.001
4/12/2017	<0.001	<0.001	
4/13/2017			<0.001
6/27/2017	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	
3/28/2018			<0.001
6/6/2018	<0.001	<0.001	<0.001
10/9/2018	<0.001	<0.001	<0.001
2/20/2019	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001	<0.001
9/16/2019			<0.001
9/17/2019	<0.001	0.00023 (J)	
2/18/2020	0.00022 (J)	0.0002 (J)	
2/19/2020			0.00027 (J)
3/25/2020		0.00079 (J)	<0.001
3/26/2020	<0.001		
9/14/2020	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001
3/31/2021			<0.001
4/1/2021	0.00042 (J)	0.00021 (J)	
8/18/2021	<0.001	<0.001	
8/19/2021			0.0004 (J)
Mean	0.000932	0.0008715	0.0009335
Std. Dev.	0.0002118	0.0002875	0.0002058
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00042	0.00079	0.0004

FIGURE J.

Appendix IV Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 12/13/2021, 10:05 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003452**	**-134**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.002372**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.003186**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.02466**	**-109**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix IV Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 12/13/2021, 10:05 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003452**	**-134**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	-1	-81	No	20	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	-39	-81	No	20	60	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.002372**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-3 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	3	81	No	20	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-10	0	7	81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-11**	**-0.003186**	**-157**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWC-15	0	5	81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-18	-0.0002105	-9	-81	No	20	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-20**	**-0.02466**	**-109**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

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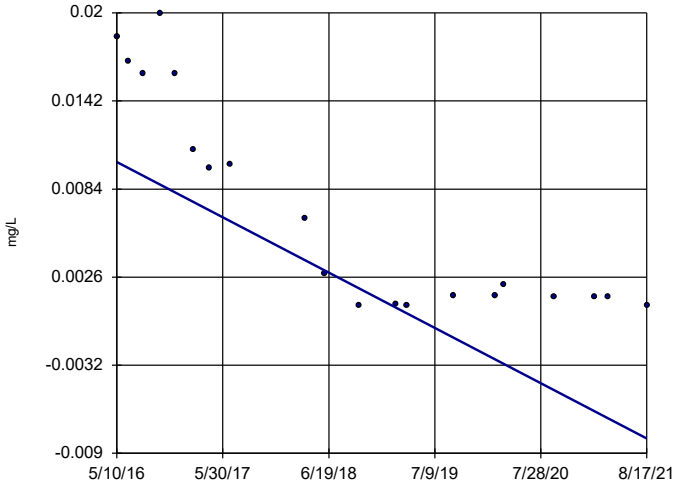
Sen's Slope Estimator

SGWA-1 (bg)



n = 20

Slope = -0.003452 units per year.

Mann-Kendall statistic = -134
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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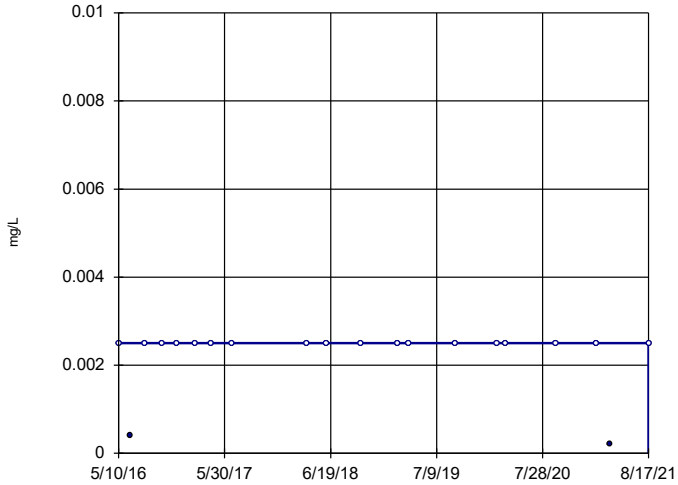
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -81

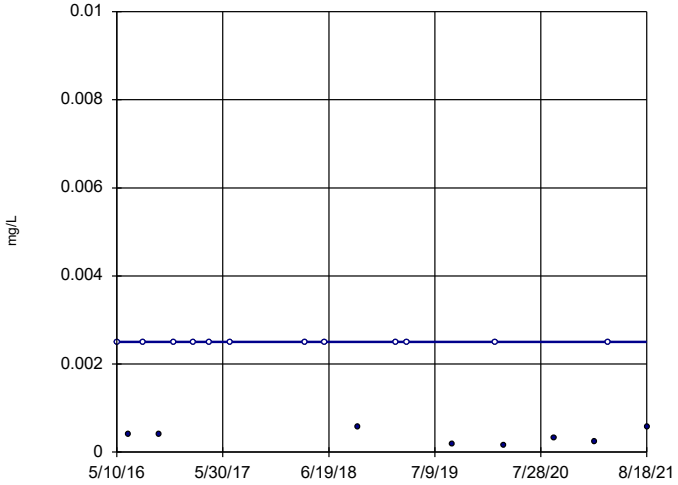
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -39
critical = -81

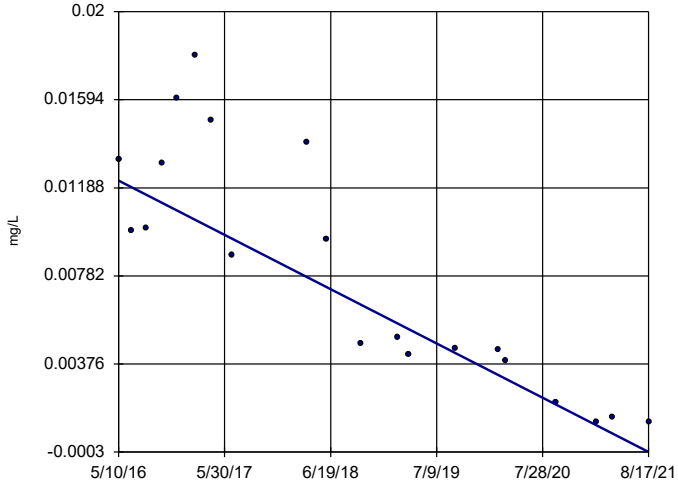
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 20

Slope = -0.002372 units per year.

Mann-Kendall statistic = -137
critical = -81

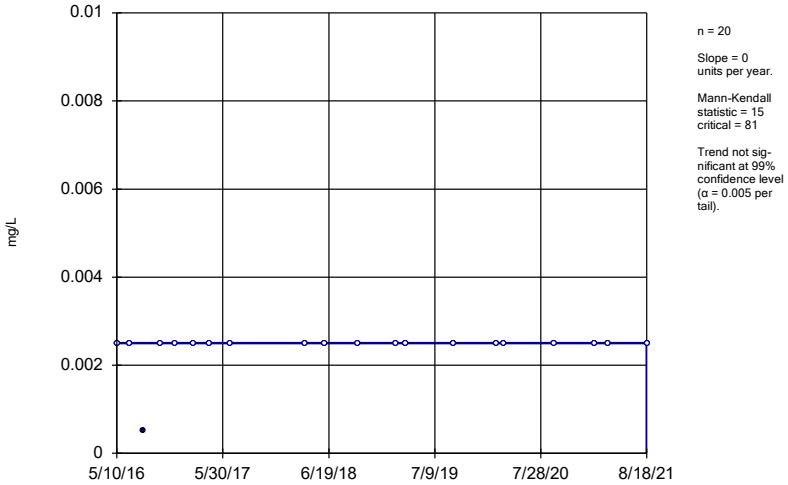
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 81

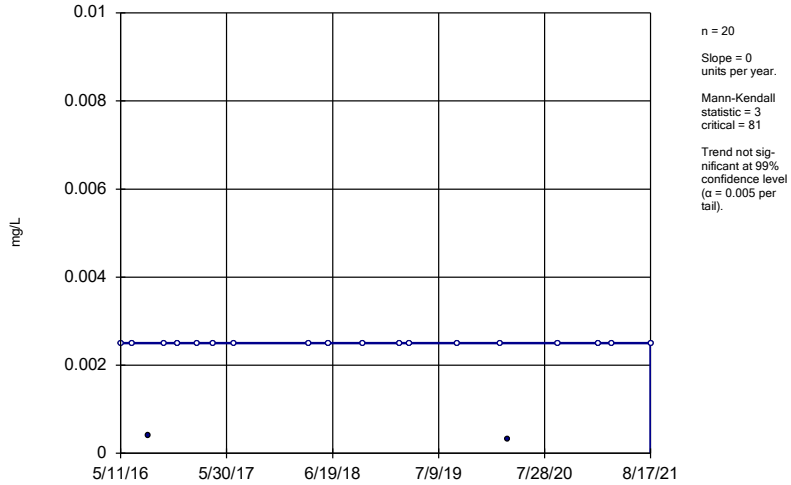
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 81

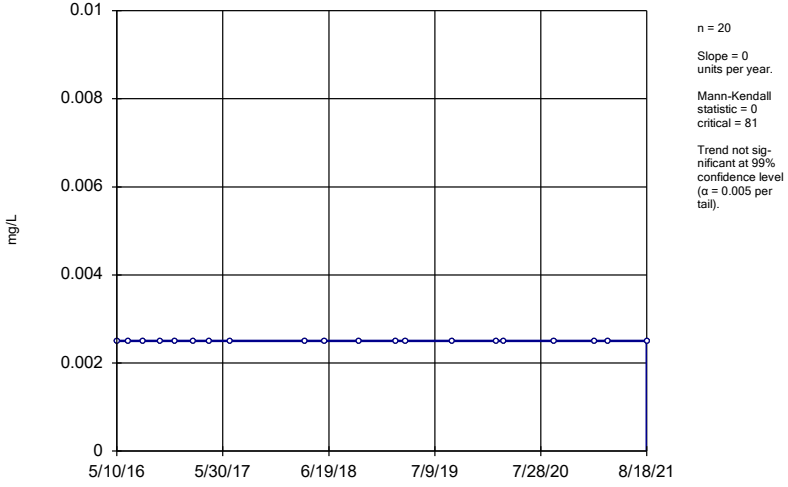
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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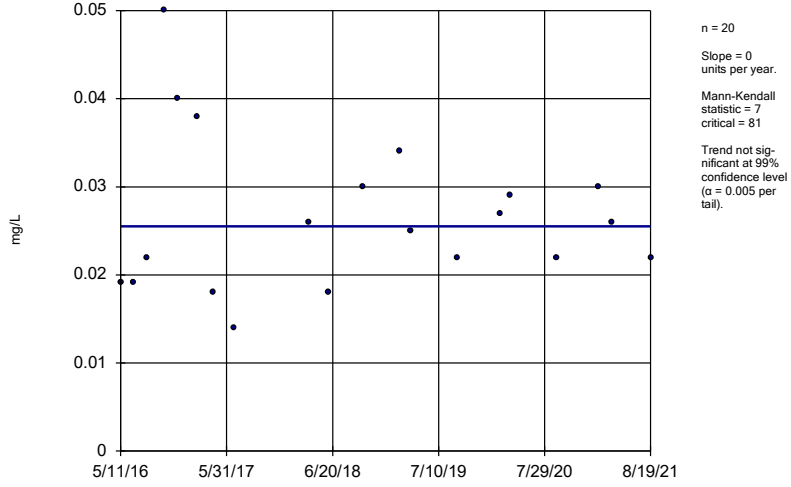
Sen's Slope Estimator

SGWC-10



n = 20

Slope = 0 units per year.

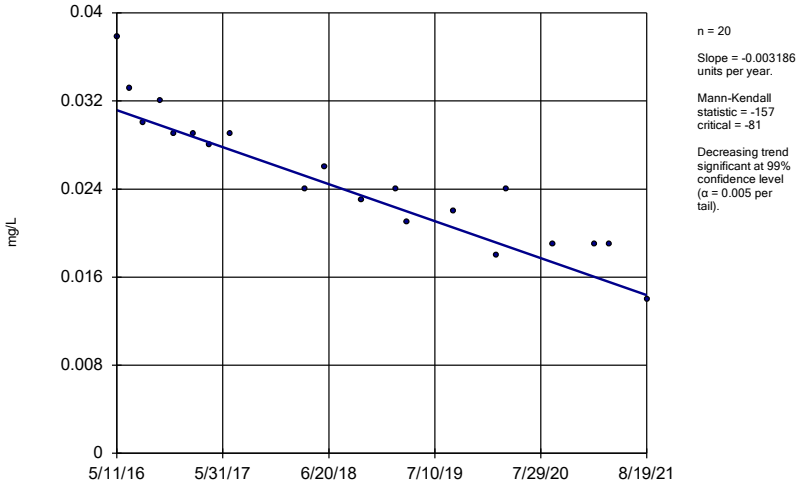
Mann-Kendall statistic = 7
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-11



n = 20

Slope = -0.003186 units per year.

Mann-Kendall statistic = -157
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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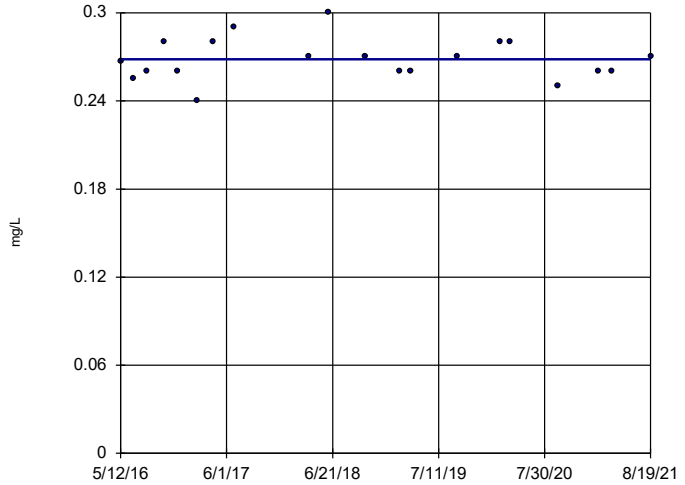
Sen's Slope Estimator

SGWC-15



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 81

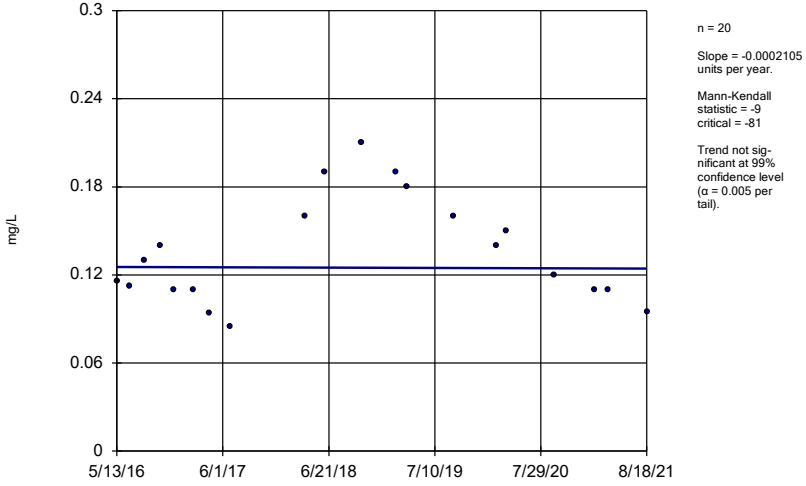
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32 Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 20

Slope = -0.0002105 units per year.

Mann-Kendall statistic = -9
critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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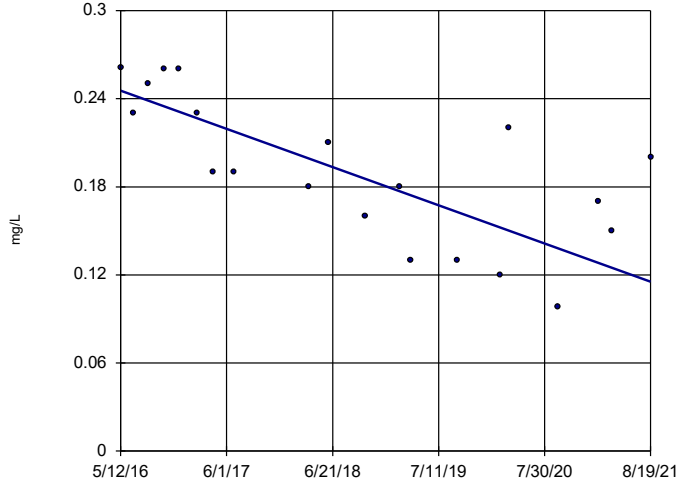
Sen's Slope Estimator

SGWC-20



n = 20

Slope = -0.02466 units per year.

Mann-Kendall statistic = -109
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 12/13/2021 10:04 AM View: Appendix IV - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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