REPORT

2022 Semi-Annual Groundwater Monitoring and Corrective Action Report

Georgia Power Company - Plant Scherer Ash Pond 1

Submitted to:

Georgia Power Company

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Submitted by:

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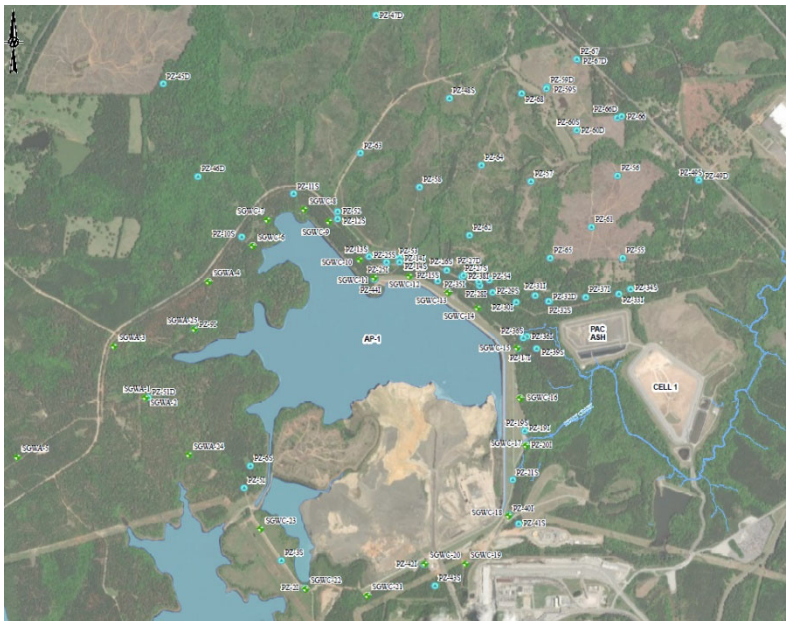
SUMMARY

This *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 (AP-1), Juliette, Monroe County, Georgia (GA), was prepared to document groundwater monitoring activities from January through July 2022 for AP-1. 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 Semi-Annual Report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming reporting period at AP-1. Other CCR Landfill units on-site at Plant Scherer (Cell 1 and PAC Ash Cell) are reported separately.

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



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.

Groundwater elevation measurements were recorded at AP-1 monitoring wells within a 24-hour period prior to each sampling event. The elevation data were used to confirm the groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR effectively monitors groundwater downgradient of the unit. Thus, there are no changes to the AP-1 certified monitoring network in 2022. The groundwater semi-annual monitoring event for AP-1 was conducted in February 2022. Groundwater samples were collected and analyzed for both Appendix III and Appendix IV constituents from each of the monitoring wells.

Analytical data from the February 2022 monitoring event have been statistically analyzed in accordance with the Site's certified statistical analysis method. The February 2022 semi-annual monitoring event statistical analyses indicate statistically significant increases (SSIs) above the prediction limit and statistically significant levels (SSLs)

above the groundwater protection standard as summarized below. The AP-1 network remains in assessment monitoring.

Appendix III Constituent	February 2022
Boron	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-8, SGWC-9, SGWC-12, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22, SGWC-23
Chloride	SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23
Fluoride	SGWC-6, SGWC-7, SGWC-8
pH	SGWC-15, SGWC-18, SGWC-20
Sulfate	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
Appendix IV Constituent	**February 2022**
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, SGWC-20

In response to the SSL of cobalt, Georgia Power initiated an assessment of corrective measures (ACM) on November 18, 2021 and was documented in an ACM Report on April 15, 2022. 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 first 2022 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

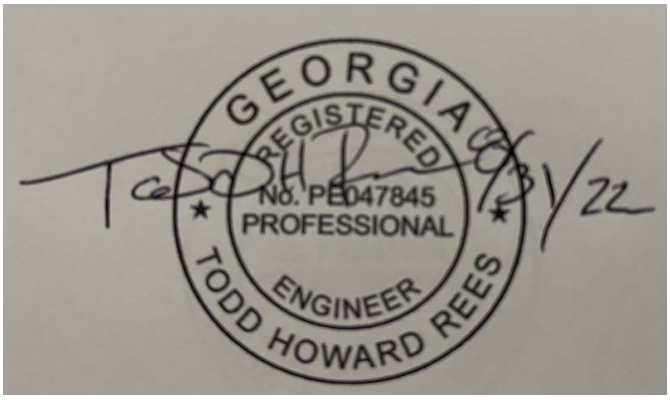
This *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 (AP-1) has been prepared in compliance with the United States Environmental Protection Agency coal combustion residual rule [40 Code of Federal Regulations (CFR) 257 Subpart D] 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 USA Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management, and 40 CFR Part 258.50(g).

GOLDER ASSOCIATES USA INC.

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

I hereby certify that this *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer-Ash Pond 1 (AP-1) located at 10986 Georgia 87, Juliette, Georgia 31046, has been prepared to meet the requirements of 40 CFR § 257.90(e).

GOLDER ASSOCIATES USA INC.



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1.0 INTRODUCTION

In accordance with the United States (US) Environmental Protection Agency (EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D and the Georgia (GA) Environmental Protection Division (EPD) Rules of Solid Waste Management 391-3-4-.10 (Georgia CCR Rule), Golder Associates USA Inc. (Golder) has prepared this Semi-Annual Groundwater Monitoring and Corrective Action Report to document groundwater monitoring activities conducted in February 2022 at Georgia Power's Plant Scherer (Scherer) Ash Pond 1 (AP-1). This report includes the results of the first semi-annual monitoring event conducted in February 2022 for AP-1. For ease of reference, the US EPA CCR Rule is cited within this report.

Due to statistically significant increases (SSIs) of Appendix III parameters, Georgia Power initiated an assessment monitoring program for AP-1 in 2018. An Alternate Source Demonstration (ASD) was submitted to GA EPD on January 14, 2019, to address statistically significant levels (SSLs) of cobalt identified at wells SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20. Following review of the ASD report, GA EPD issued a notice of non-concurrence, dated August 2021, which acknowledged that cobalt is naturally occurring in groundwater but required additional lines of evidence for approval. Georgia Power initiated an assessment of corrective measures (ACM) on November 18, 2021. Georgia Power is performing an ACM following the timelines and requirements of 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 event, statistical analysis of the data, a description of groundwater flow direction and rate, and a discussion of the current findings with relevant conclusions and recommendations for future monitoring activities at the Site.

1.1 Site Description and Background

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

CCR produced from power generation has historically been stored in AP-1. Figure 2 depicts the general configuration of AP-1 and Site monitoring wells. As of 2019, AP-1 no longer received CCR and as of October 30, 2020, AP-1 no longer received non-CCR waste streams. A permit application for closure of AP-1 was submitted to GA EPD in November 2018 and is currently under review.

Plant Scherer is located within the Piedmont Physiographic Province of central Georgia, which is characterized by gently rolling hills and narrow valleys, with locally pronounced linear ridges. Overall, the property slopes gently south toward Lake Juliette and east toward the Ocmulgee River (Figure 1). AP-1 is located on a topographically high area, with several relatively small, intermittent, and perennial creeks and streams surrounding the pond. Several isolated hilltops occur west of the pond and represent topographic high points on the Site. Topographic relief across the Site is greater than 200 feet, with a natural topographic high of over 570 feet above 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 and Site Geology and Hydrogeologic Setting

The following section includes a general description of regional geologic and hydrogeologic characteristics of formations that occur beneath the Site. Information presented in this section is based on published literature, discussion with local geologic experts, and experience working in this geologic terrain (Golder, 2020a).

Plant Scherer is located within the center of the East Juliette, GA US Geological Survey (USGS) 7.5-minute topographic quadrangle. The Piedmont/Blue Ridge geologic province contains some of the oldest rocks in the Southeastern US. Since their origin, approximately 276 to 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 the hydrostratigraphy of the Site. Material types identified included residual soils, saprolitic soils, saprolitic rock (or partially weathered rock if blow counts were provided), transitionally weathered rock (TWR), which are referred to as overburden, and competent bedrock. Residual and soils, primarily sandy silt, silty sand, sandy clay, and silty clay, occur as a variably thick blanket overlying bedrock across most of the Site. The thickness of the soil encountered in the borings is variable, ranging from little to no soil where outcrop is encountered at the surface, to as much at 168 feet. Thickness of saprolitic soils /or saprolitic rock are variable across the Site. The saturated thickness of the overburden material ranges from 2 feet to over 40 feet.

Based on a review of boring and well construction logs, the screen sections and filter pack intervals for most of the piezometers and monitoring wells installed at the Site are located within the overburden. Based on groundwater elevations, groundwater generally flows from the 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 (Golder, 2017). 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 through July 2022 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 2022. Field Data Forms and Instrument Calibration Forms for the first semi-annual event in 2022 are included in Appendix A. Analytical results, laboratory accreditation, and data validation summaries for the February 2022 sampling event are included in Appendix B.

2.1 Monitoring Well Installation and Maintenance

There was no change to the detection groundwater monitoring system during this reporting period. Monitoring well related activities included visual inspection of well conditions prior to sampling, recording conditions around the well, and performing exterior maintenance to provide safe access for sampling. The well condition inspection forms are included in Appendix C.

Site piezometer PZ-15S was modified to accommodate realignment of the adjacent access road. The piezometer casing was modified from an above ground finish to a flush-mounted piezometer. Details of the piezometer re-construction are presented in a summary report submitted to GA EPD (see 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. A notice of assessment monitoring was placed in the Plant Scherer Operating Record on May 15, 2018.

Groundwater sampling events were conducted for AP-1 in February 2022. Samples were collected from each well in the certified monitoring network as well as those in the assessment monitoring network presented in Table 1. Table 2 presents a summary of groundwater sampling events completed for AP-1 and the status of the monitoring network.

During the February semi-annual sampling events, groundwater samples were collected for Appendix III and Appendix IV constituents. Results of the sampling activities conducted in February 2022 are discussed in Section 5.0, and the data are presented in Appendix B.

2.3 Supplemental Sampling

Additional sampling was conducted during the reporting period in support of the assessment of corrective measures and in continuing to define the nature and extent of cobalt in groundwater at the Site. Groundwater samples collected from the detection and assessment monitoring well networks in February 2022 were analyzed for major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity). In addition, risk assessment monitoring was completed at Site piezometers PZ-25S and PZ-25I. The laboratory reports associated with each of these sampling events are provided in Appendix B.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

During the February 2022 sampling event, groundwater samples were collected for Appendix III constituents and Appendix IV constituents at each detection monitoring well. Results of sampling activities conducted in 2022 are presented in Appendix B.

3.1 Groundwater Level Measurements

Prior to each sampling event, groundwater elevations were recorded from Site monitoring wells and piezometers. Groundwater elevation data are summarized on Table 3. The recorded water level data were used to develop a potentiometric surface elevation contour map as presented on Figure 3. Review of Figure 3 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.

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 Table 4. An effective porosity of 0.2 was used based on the default values for effective porosity recommended by US EPA for a silty sand-type soil (US EPA, 1996).

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

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

Where:

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

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

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

$n_e =$ Effective porosity

Using this equation and groundwater elevation data from February 2022, horizontal groundwater velocities are calculated for various areas of the Site and are tabulated on Table 4.

As presented on Table 4, groundwater flow velocities across at the Site range from approximately 0.07 ft/day to 0.23 ft/day across AP-1 in February 2022. 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. Non-dedicated equipment was decontaminated in accordance with US EPA Region 4 standard operating procedures (US EPA, 2020a). During purging of each well, field measurements of temperature, specific conductance, dissolved oxygen (DO), pH, and oxidation-reduction potential (ORP) were recorded using a SmarTroll® (an In-Situ® field instrument) or an Aqua TROLL 400 along with a separate turbidity meter to verify stabilization.

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

- 0.1 standard units (S.U.) for pH
- 5% for specific conductance
- ±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.

Field data sheets and the Low-Flow Test Reports 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 February 2022. Because AP-1 is currently in assessment monitoring, groundwater samples from AP-1 detection and assessment monitoring wells were analyzed for Appendix III and Appendix IV monitoring parameters per 40 CFR Parts 257. Groundwater samples were also analyzed for major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity). Tables 5A through 5C present tabulated summaries of the February 2022 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 and Quality Control Summary

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

Groundwater quality data in this report were independently validated in accordance with US EPA Region 4 Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (US EPA, 2020b) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences (RPDs), laboratory, and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags 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 Unified Guidance (US EPA, 2009). A summary table of the statistical results accompanies the prediction limits for Appendix III and confidence intervals for Appendix IV in Appendix E.

4.1.1 Appendix III Statistical Methods

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

4.1.2 Appendix IV Assessment Monitoring Statistical Methods

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

dependent upon the number of background samples. The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a).

As described in 40 CFR 257.95(h)(1-3), 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.

On February 22, 2022 GA EPD updated the Rules for Solid Waste Management 391-3-4-.10(6) to incorporate updated Federal GWPS where an MCL has not been established. These levels were specified for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L), except when site specific background concentrations of these constituents is higher. Statistical evaluation for the Spring 2022 event was updated to reflect these changes.

Consistent with applicable regulatory requirements, GWPS 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 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 semi-annual monitoring event conducted in February 2022 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 February 2022 monitoring event are included in Appendix E.

4.2.1 Appendix III Statistical Results – First Semi-Annual 2022

Based on statistical results presented in Appendix E, SSIs of boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS) at various wells were identified following the February 2022 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 Assessment Monitoring Statistical Results – First Semi-Annual 2022

Analytical data from the February 2022 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 February 2022	
Appendix IV Parameter	**AP-1 Monitoring Well**
Cobalt	SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20

4.2.3 First Semi-Annual 2022 Trend Evaluation

February 2022 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 February 2022 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 ASD was submitted to GA 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. Following their review, the GA EPD acknowledged the natural occurrence of cobalt in groundwater at the Site but issued a letter stating that GA EPD does not concur at this time. This letter stated that GA EPD is not able to discount those 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). Georgia Power initiated the ACM process on November 18, 2021.

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, if submitted.

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS

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

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

IV constituents. At the time of this report, the data set for some of the assessment wells is limited to fewer than four independent datums and therefore not appropriate for statistical analyses. For wells where the minimum of four data points are available, statistical analyses are discussed in Section 4.0, above, and are included in Appendix E.

To characterize the nature and extent of cobalt SSLs, multiple piezometers have been installed and sampled at the Site (Golder, 2020a); refer to the table below for constituent delineation status. Specific details regarding the delineation status at AP-1, including isoconcentration contours for cobalt, is discussed in the *Semi-Annual Remedy Selection and Design Progress Report* (Golder, 2022, Appendix F).

Detection/Assessment Monitoring Well with SSL	Constituent of Concern	Vertical Delineation Well	Horizontal Delineation Well Location
SGWC-10	Cobalt	PZ-69I[1]	PZ-13S
SGWC-11	Cobalt	P-44I[1]	PZ-14S[1]
SGWC-15	Cobalt	PZ-17I[1]	PZ-39S
SGWC-18	Cobalt	PZ-40I[1]	PZ-41S
SGWC-20	Cobalt	PZ-42I[1]	PZ-43S

Note:

[1] Delineation is complete pending statistical data evaluations at locations PZ-14S, PZ-17I, PZ-40I, PZ-42I, PZ-44I and PZ-69I. A minimum of four data points is needed to perform the required statistical analyses. Reported sample results at each of these locations are below the GWPS.

Horizontal and vertical delineation is summarized below based on review of analytical results, statistical analyses and the isoconcentration contours (Appendix F).

Cobalt at SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20: Horizontal delineation for cobalt is defined by wells PZ-13S, PZ-14S, PZ-39S, PZ-41S and PZ-43S. Sufficient data to perform statistical analyses are pending at PZ-14S. Reported results are below the GWPS and therefore, horizontal delineation is deemed complete.

Vertical delineation for cobalt is defined using wells PZ-69I, PZ-44I, PZ-17I, PZ-40I, and PZ-42I. Sufficient data to perform statistical analyses is pending at each of these locations. Reported results are below the GWPS and therefore, vertical delineation is deemed complete.

6.0 ASSESSMENT OF CORRECTIVE MEASURES

Pursuant to 40 CFR § 257.95, an 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 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 § 257.96 and § 257.94(e)(3).

In accordance with 40 CFR § 257.97(a), a remedy selection progress report will be prepared and submitted concurrent with semi-annual groundwater monitoring reports to document results associated with additional data

collection, and present progress toward selection and design of a groundwater remedy. The *Semi-Annual Remedy Selection and Design Progress Report* that is included as Appendix F includes the following information:

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

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

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

7.0 MONITORING PROGRAM STATUS

Statistical evaluations of the groundwater monitoring well data for AP-1 confirm SSIs of Appendix III groundwater monitoring parameters above background and SSLs of Appendix IV groundwater monitoring parameter (cobalt) above the GWPS. AP-1 will continue to be monitored in accordance with the assessment monitoring program pursuant to 40 CFR § 257.95. On November 18, 2021, Georgia Power initiated an ACM per Rule 394-3-4-.10(6)(d)4 and § 257.96 to address the concentrations of cobalt in Site groundwater. Pursuant to 40 CFR 257.95(g)(1)(iv), the assessment wells continue to be sampled as part of the ongoing semi-annual assessment monitoring program.

8.0 CONCLUSIONS AND FUTURE ACTIONS

This *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 was prepared to fulfill the requirements of US EPA's 40 CFR § 257.95 and GA EPD's 391-3-4-.10. The groundwater flow direction interpreted during this event is consistent with historical evaluations.

Review of analytical results and statistical analyses developed for AP-1 indicates statistical exceedances of cobalt identified during the February 2022 semi-annual event. The monitoring well network continues to effectively monitor the uppermost aquifer beneath AP-1 and compliance monitoring will be conducted in accordance with § 257.94 and § 257.95.

Based on the findings presented herein, 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 second semi-annual sampling event for 2022 was completed in August 2022. The next semi-annual assessment monitoring event will meet the requirements of § 257.95(b) and § 257.95(d)(1) and will include sampling and analysis of Appendix III and IV constituents.

9.0 REFERENCES

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Tables

TABLE 1
SUMMARY OF MONITORING WELL AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company - 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 DETECTION 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
PZ-69I	Downgradient	Bedrock	1121906.36	2404051.35	506.44	506.0	508.85	108.9	410.00	400.00	10	1/13/2022
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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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
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	1119615.01	2411201.98	409.97	409.6	412.66	49.46	373.20	363.20	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 AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company - 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 AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company - 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	Sampling Event February 2022	Status of Monitoring Well
Purpose of Sampling Event		Detection / Assessment	
AP-1 Detection Monitoring Wells			
SGWA-1	Upgradient	X	Assessment
SGWA-2	Upgradient	X	Assessment
SGWA-3	Upgradient	X	Assessment
SGWA-4	Upgradient	X	Assessment
SGWA-5	Upgradient	X	Assessment
SGWC-6	Downgradient	X	Assessment
SGWC-7	Downgradient	X	Assessment
SGWC-8	Downgradient	X	Assessment
SGWC-9	Downgradient	X	Assessment
SGWC-10	Downgradient	X	Assessment
SGWC-11	Downgradient	X	Assessment
SGWC-12	Downgradient	X	Assessment
SGWC-13	Downgradient	X	Assessment
SGWC-14	Downgradient	X	Assessment
SGWC-15	Downgradient	X	Assessment
SGWC-16	Downgradient	X	Assessment
SGWC-17	Downgradient	X	Assessment
SGWC-18	Downgradient	X	Assessment
SGWC-19	Downgradient	X	Assessment
SGWC-20	Downgradient	X	Assessment
SGWC-21	Downgradient	X	Assessment
SGWC-22	Downgradient	X	Assessment
SGWC-23	Downgradient	X	Assessment
SGWA-24	Upgradient	X	Assessment
SGWA-25	Upgradient	X	Assessment
AP-1 Assessment Monitoring Wells			
PZ-13S	Downgradient	X	Assessment
PZ-14S	Downgradient	X	Assessment
PZ-17I	Downgradient	X	Assessment
PZ-39S	Downgradient	X	Assessment
PZ-40I	Downgradient	X	Assessment
PZ-41S	Downgradient	X	Assessment
PZ-42I	Downgradient	X	Assessment
PZ-43S	Downgradient	X	Assessment
PZ-44I	Downgradient	X	Assessment
PZ-69I	Downgradient	X	Assessment

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
ASH POND		
SGWA-1	546.83	509.48
SGWA-2	546.94	510.48
SGWA-3	545.83	516.27
SGWA-4	547.66	502.41
SGWA-5	508.48	493.56
SGWC-6	510.49	497.93
SGWC-7	506.40	494.08
SGWC-8	514.28	493.12
SGWC-9	510.62	489.92
SGWC-10	509.41	491.51
SGWC-11	511.47	492.26
SGWC-12	500.53	485.10
SGWC-13	482.71	478.46
SGWC-14	476.72	466.31
SGWC-15	482.75	455.16
SGWC-16	460.31	437.73
SGWC-17	418.00	416.25
SGWC-18	513.29	472.77
SGWC-19	478.94	464.19
SGWC-20	504.60	492.24
SGWC-21	487.67	487.37
SGWC-22	518.02	492.23
SGWC-23	523.10	493.03
SGWA-24	492.38	479.59
SGWA-25	526.49	501.14
PIEZOMETERS		
PZ-2I	517.56	491.76
PZ-3S	517.29	488.93
PZ-5I	523.26	488.92
PZ-6S	531.54	NM

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
PIEZOMETERS - continued		
PZ-9I	526.57	499.87
PZ-10S	517.53	497.89
PZ-11S	529.31	492.31
PZ-12S	517.69	488.62
PZ-13S	520.51	490.39
PZ-14S	512.13	488.58
PZ-14I	512.89	488.44
PZ-15S	500.60	481.92
PZ-17I	483.03	455.55
PZ-19I	417.76	414.11
PZ-19S	417.80	414.81
PZ-20I	417.41	414.40
PZ-21S	473.74	464.52
PZ-25S	528.24	490.03
PZ-25I	528.39	490.34
PZ-26S	491.65	476.55
PZ-27S	475.80	472.30
PZ-27D	475.43	474.98
PZ-28I	484.18	467.38
PZ-29S	491.31	461.90
PZ-30I	478.31	449.76
PZ-31I	466.89	438.79
PZ-32S	465.06	440.50
PZ-32D	465.42	438.49
PZ-33I	469.38	426.88
PZ-34S	443.67	427.59
PZ-35I	474.40	471.90
PZ-36S	482.35	452.62
PZ-36I	481.52	448.90
PZ-37I	482.18	433.35

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
PIEZOMETERS - continued		
PZ-38I	482.24	467.97
PZ-39S	474.58	440.99
PZ-40I	512.55	473.65
PZ-41S	491.50	460.47
PZ-42I	503.18	494.11
PZ-43S	504.03	483.31
PZ-44I	510.36	491.91
PZ-45D	512.33	488.70
PZ-46D	450.28	439.67
PZ-47D	410.01	400.41
PZ-48S	444.33	410.45
PZ-49S	367.89	361.37
PZ-49D	367.41	362.51
PZ-50D	478.01	NM
PZ-51D	546.04	510.08
PZ-52	521.84	487.85
PZ-53	516.64	488.06
PZ-54	492.96	462.70
PZ-55	447.21	422.98
PZ-56	433.68	393.37
PZ-57	439.51	405.50
PZ-58	492.21	448.40
PZ-59S	385.93	382.00
PZ-59D	385.86	381.73
PZ-60S	389.88	382.40
PZ-60D	389.34	384.86
PZ-61	439.27	420.11
PZ-62	501.32	461.08
PZ-63	501.54	481.90

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
PIEZOMETERS - continued		
PZ-64	479.52	431.46
PZ-65	432.42	416.43
PZ-66	421.24	386.59
PZ-66D	427.60	380.42
PZ-67	425.94	401.44
PZ-67D	428.48	383.81
PZ-68	395.55	388.19
PZ-69I	508.85	491.54
LPZ-01	553.29	535.98
LPZ-02	514.52	457.32
LPZ-03	515.45	512.60
LPZ-04	461.24	456.07
LPZ-05	524.51	512.26

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
CELL 1		
GWC-1	374.95	364.85
GWC-2	380.22	379.63
GWC-3	410.44	375.72
GWC-4	411.75	379.94
GWC-5	396.69	377.82
GWC-6	415.80	377.73
GWC-7	418.27	376.56
GWC-8A	401.62	379.84
GWC-9	386.18	379.77
GWC-10	392.87	383.29
GWC-11	402.33	386.00
GWC-12	412.89	389.92
GWC-13	419.77	391.67
GWC-14	403.60	392.28
GWA-15	415.01	405.47
GWA-16	444.24	413.45
GWA-17	445.84	416.21
GWC-18	439.66	406.24
GWC-19	430.20	392.92
GWC-20	426.30	382.08

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
PAC ASH CELL		
GWA-21	422.58	419.87
GWA-22	444.50	423.13
GWC-29	399.64	394.61
GWA-45	451.08	438.17
GWA-46	461.13	430.20
GWA-47	465.77	426.97
GWA-48	461.73	425.50
GWA-49	432.88	425.11
GWC-50	407.16	400.12
GWC-51	410.15	402.04
GWC-52	417.13	408.11
GWC-53	435.83	426.40

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

Well ID	Top of Casing Elevation (Feet MSL) (certified 7/17/2020)	GROUNDWATER ELEVATION (Feet MSL)
		2/8/2022
CELL 3		
GWA-39	457.62	431.80
GWA-40	463.84	431.97
GWA-41	434.12	424.99
GWA-42	405.19	400.97
GWA-43	400.94	397.46
GWA-44A	399.62	396.34
GWA-54	451.49	427.57
GWC-30	394.49	389.34
GWC-31	392.78	387.83
GWC-32	410.03	387.28
GWC-33A	393.96	384.64
GWC-34	389.29	382.25
GWC-35	387.90	383.77
GWC-36	425.12	394.88
GWC-37	429.80	407.60
GWC-38	418.68	408.40

Notes:

Feet MSL = feet above mean sea level

NM = Not Measured

TABLE 4
HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS - FEBRUARY 2022
Georgia Power Company- Plant Scherer
Juliette, GA

Flow Paths	Groundwater Elevation (feet msl)	Δ H (feet)	Δ L (feet)	Hydraulic Gradient (Δ h/Δ l)	Average Hydraulic Conductivity, K (feet per day)	Assumed Effective Porosity (n_e)	Average Linear Groundwater Velocity	
							(feet per day)	(feet per year)
AP-1 February 2022								
SGWC-14/PZ-29S	466.31 461.90	4.41	400	0.011	1.31 to 2.36	0.2	0.07 to 0.13	26 to 47
SGWC-13/PZ-35I	478.46 471.90	6.56	400	0.016	1.31 to 2.36	0.2	0.11 to 0.19	39 to 71
SGWC-20/PZ-43S	492.24 483.31	8.93	468	0.019	1.31 to 2.36	0.2	0.12 to 0.23	46 to 82

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 - FEBRUARY 2022
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	DETECTION 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
		2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022	2/10/2022	2/11/2022	2/10/2022	2/10/2022	2/11/2022
Appendix III																
BORON, TOTAL	mg/L	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	0.16	1.3	0.090	0.53	< 0.060	0.48
CALCIUM, TOTAL	mg/L	1.8	11	6.0	18	1.8	15	9.3	11	16	53	37	0.55	1.9	23	19
CHLORIDE, TOTAL	mg/L	2.0	1.5	2.3	1.5	1.9	2.4	1.8	2.6	4.0	12	15	11	8.8	10	12
FLUORIDE, TOTAL	mg/L	0.034 J	0.11	0.049 J	0.083 J	0.044 J	0.061 J	0.069 J	0.19	0.27	0.44	0.098 J	0.030 J	< 0.026	0.060 J	0.045 J
pH	S.U.	5.28	7.01	5.84	6.38	5.56	6.38	6.17	6.33	6.77	6.47	6.25	5.13	5.11	6.19	6.02
SULFATE, TOTAL	mg/L	1.0	1.2	1.3	1.1	< 0.76	< 0.76	< 0.76	0.88 J	7.1	80	190	2.1	< 0.76	41	94
TOTAL DISSOLVED SOLIDS	mg/L	45	100	54	110	60	130	93	130	170	400	410	44	39	210	200
Appendix IV																
ANTIMONY, TOTAL	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
ARSENIC, TOTAL	mg/L	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028
BARIUM, TOTAL	mg/L	0.044	0.039	0.041	0.069	0.011	0.025	0.026	0.13	0.21	0.18	0.047	0.025	0.045	0.057	0.034
BERYLLIUM, TOTAL	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
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	0.0017 J	0.014	0.019	0.0048	< 0.0015	0.0048	0.0023	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	0.00089 J	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	0.00045 J	< 0.00026	0.0024 J	< 0.00026	0.0022 J	0.023	0.021	0.00079 J	0.0015 J
FLUORIDE, TOTAL	mg/L	0.034 J	0.11	0.049 J	0.083 J	0.044 J	0.061 J	0.069 J	0.19	0.27	0.44	0.098 J	0.030 J	< 0.026	0.060 J	0.045 J
LEAD, TOTAL	mg/L	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	0.00020 J	< 0.00017
LITHIUM, TOTAL	mg/L	0.0011 J	< 0.00083	< 0.00083	< 0.00083	0.00094 J	< 0.00083	< 0.00083	0.0013 J	0.0048 J	0.0015 J	< 0.00083	< 0.00083	0.0022 J	< 0.00083	< 0.00083
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	0.0012 J	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	0.147 U	0.307 U	0.198 U	0.0285 U	0.416	0.0512 U	0.150 U	0.145 U	0.659	2.08	0.179 U	0.436	0.110 U	0.279 U	0.631
SELENIUM, TOTAL	mg/L	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
THALLIUM, TOTAL	mg/L	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047

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 MDL.
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 are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5A
ANALYTICAL DATA SUMMARY - FEBRUARY 2022
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	DETECTION MONITORING WELLS									
		SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
		2/14/2022	2/11/2022	2/10/2022	2/11/2022	2/10/2022	2/11/2022	2/11/2022	2/11/2022	2/10/2022	2/10/2022
Appendix III											
BORON, TOTAL	mg/L	1.5	1.2	0.63	0.27	6.4	1.7	1.5	1.0	0.54	0.45
CALCIUM, TOTAL	mg/L	41	16	1.2	58	55	46	13	36	27	23
CHLORIDE, TOTAL	mg/L	14	12	9.8	8.4	19	10	9.6	11	10	12
FLUORIDE, TOTAL	mg/L	0.035 J	0.14	< 0.026	0.064 J	0.039 J	< 0.026	0.14	0.092 J	< 0.026	0.066 J
pH	S.U.	5.77	4.59	5.21	6.39	4.86	5.65	4.25	6.31	5.78	6.13
SULFATE, TOTAL	mg/L	220	200	45	190	890	260	230	120	100	73
TOTAL DISSOLVED SOLIDS	mg/L	360	310	100	440	1400	440	350	350	250	230
Appendix IV											
ANTIMONY, TOTAL	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
ARSENIC, TOTAL	mg/L	< 0.00028	0.0021	< 0.00028	< 0.00028	0.0043	< 0.00028	0.00081 J	< 0.00028	0.00031 J	< 0.00028
BARIUM, TOTAL	mg/L	0.047	0.027	0.034	0.025	0.013	0.032	0.022	0.11	0.070	0.064
BERYLLIUM, TOTAL	mg/L	< 0.00027	0.00040 J	< 0.00027	< 0.00027	< 0.00027	< 0.00027	0.00074 J	< 0.00027	< 0.00027	< 0.00027
CADMIUM, TOTAL	mg/L	< 0.00022	0.00024 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	0.012	0.0079	0.010	0.015	< 0.0015	< 0.0015	< 0.0015	0.0015 J
COBALT, TOTAL	mg/L	0.0065	0.23	0.0049	0.00036 J	0.090	0.00045 J	0.14	< 0.00026	0.0016 J	< 0.00026
FLUORIDE, TOTAL	mg/L	0.035 J	0.14	< 0.026	0.064 J	0.039 J	< 0.026	0.14	0.092 J	< 0.026	0.066 J
LEAD, TOTAL	mg/L	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	0.00033 J	0.00021 J	< 0.00017	< 0.00017	< 0.00017
LITHIUM, TOTAL	mg/L	< 0.00083	0.0027 J	< 0.00083	< 0.00083	0.0039 J	0.0072	0.0037 J	0.0011 J	< 0.00083	0.0029 J
MERCURY, TOTAL	mg/L	< 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	< 0.00061	< 0.00061
RADIUM (226 + 228)	pCi/L	0.377 U	0.500	0.595	0.233 U	0.244 U	0.456 U	0.259 U	0.689	0.346 U	0.204 U
SELENIUM, TOTAL	mg/L	< 0.00074	< 0.00074	0.00092 J	< 0.00074	0.0021 J	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
THALLIUM, TOTAL	mg/L	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047

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 MDL.
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 are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5A
ANALYTICAL DATA SUMMARY - FEBRUARY 2022
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	ASSESSMENT MONITORING WELLS									
		PZ-13S	PZ-14S	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
		2/8/2022	2/8/2022	2/9/2022	2/9/2022	2/10/2022	2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022
Appendix III											
BORON, TOTAL	mg/L	< 0.060	< 0.060	0.16	< 0.060	4.1	3.2	2.7	0.90	< 0.060	0.44
CALCIUM, TOTAL	mg/L	4.7	4.0	35	22	150	120	68	54	20	46
CHLORIDE, TOTAL	mg/L	8.9	4.1	6.9	5.8	10	6.8	11	7.5	2.5	12
FLUORIDE, TOTAL	mg/L	< 0.026	< 0.026	0.028 J	< 0.026	< 0.026	< 0.026	0.033 J	0.028 J	< 0.026	0.15
pH	S.U.	4.92	5.42	6.71	6.55	6.11	5.95	6.25	6.66	6.57	6.61
SULFATE, TOTAL	mg/L	< 0.76	< 0.76	100	38	720	< 0.76	240	150	0.76 J	110
TOTAL DISSOLVED SO	mg/L	37	48	240	150	1200	820	470	310	120	320
Appendix IV											
ANTIMONY, TOTAL	mg/L	< 0.00051	< 0.00051	0.00061 J	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
ARSENIC, TOTAL	mg/L	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	0.00059 J
BARIUM, TOTAL	mg/L	0.049	0.033	0.060	0.040	0.042	0.026	0.056	0.085	0.0078 J	0.14
BERYLLIUM, TOTAL	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.0030	0.0018 J	0.0036	0.028	< 0.0015	0.0058	< 0.0015	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	0.0052	0.00028 J	< 0.00026	< 0.00026	0.0025	0.00093 J	0.00061 J	< 0.00026	0.0024 J	0.0020 J
FLUORIDE, TOTAL	mg/L	< 0.026	< 0.026	0.028 J	< 0.026	< 0.026	< 0.026	0.033 J	0.028 J	< 0.026	0.15
LEAD, TOTAL	mg/L	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017
LITHIUM, TOTAL	mg/L	0.0025 J	0.0015 J	< 0.00083	0.012	0.010	< 0.00083	0.0026 J	0.0031 J	0.010	0.0029 J
MERCURY, TOTAL	mg/L	0.00022	< 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	0.0011 J	< 0.00061	< 0.00061	0.0057 J	< 0.00061	< 0.00061	0.0017 J
RADIUM (226 + 228)	pCi/L	-0.0564 U	0.0627 U	0.310 U	0.332 U	0.366 U	0.229 U	0.274 U	0.412 U	0.237 U	0.418 U
SELENIUM, TOTAL	mg/L	< 0.00074	< 0.00074	< 0.00074	0.0022 J	< 0.00074	0.0061	< 0.00074	< 0.00074	< 0.00074	< 0.00074
THALLIUM, TOTAL	mg/L	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047	< 0.00047

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 MDL.
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 are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5B
SUPPLEMENTAL DATA SUMMARY - FEBRUARY 2022
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
		2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022	2/10/2022	2/11/2022	2/10/2022
Additional Parameters														
ALKALINITY, BICARBONATE	mg/L	11	59	41	89	28	76	57	69	110	230	79	15	12
ALKALINITY, CARBONATE	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ALKALINITY, TOTAL	mg/L	11	59	41	89	28	76	57	69	110	230	79	15	12
FERRIC IRON	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	< 0.10	< 0.10	0.17	< 0.10	0.13	< 0.10	< 0.10
FERROUS IRON	mg/L	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	0.091 J
MAGNESIUM	mg/L	0.85	5.9	4.6	6.1	0.53	7.0	6.1	4.5	10	30	22	4.2	1.5
MANGANESE	mg/L	0.11	0.0013 J	< 0.0013	< 0.0013	0.0031 J	0.011	0.026	0.013	0.12	0.0016 J	0.22	0.38	0.56
POTASSIUM	mg/L	0.63	0.90	1.0	1.6	0.51	0.86	0.60	0.93	3.7	1.2	0.48 J	0.27 J	0.32 J
SODIUM	mg/L	2.7	4.6	4.7	8.3	9.9	6.3	7.9	11	28	40	49	12	6.8
SULFIDE	mg/L	2.4 J	2.7 J	< 2.1	< 2.1	3.3	< 2.1	< 2.1	< 2.1	< 2.1	2.5 J	< 2.1	< 2.1	< 2.1

NOTES:
1. mg/L - Milligrams per Liter
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the MDL.
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.

TABLE 5B
SUPPLEMENTAL DATA SUMMARY - FEBRUARY 2022
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS											
		SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23
		2/10/2022	2/11/2022	2/14/2022	2/11/2022	2/10/2022	2/11/2022	2/10/2022	2/11/2022	2/11/2022	2/11/2022	2/10/2022	2/10/2022
Additional Parameters													
ALKALINITY, BICARBONATE	mg/L	100	28	15	< 5.0	< 5.0	78	< 5.0	10	< 5.0	130	43	62
ALKALINITY, CARBONATE	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ALKALINITY, TOTAL	mg/L	100	28	15	< 5.0	< 5.0	78	< 5.0	10	< 5.0	130	43	62
FERRIC IRON	mg/L	0.32	< 0.10	0.18	0.12	0.18	0.35	0.15	0.49	< 0.10	0.17	0.82	< 0.10
FERROUS IRON	mg/L	0.56	0.21	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	0.13	< 0.081
MAGNESIUM	mg/L	12	7.5	21	15	0.71	27	24	21	17	12	12	11
MANGANESE	mg/L	0.74	0.091	0.20	3.4	0.029	0.023	0.82	0.10	1.5	0.052	0.24	< 0.0013
POTASSIUM	mg/L	0.72	1.1	1.9	4.4	0.55	0.43 J	3.4	2.5	3.2	1.4	2.8	1.5
SODIUM	mg/L	15	25	26	43	28	29	330	45	60	60	23	19
SULFIDE	mg/L	< 2.1	2.5 J	< 2.1	< 2.1	< 2.1	2.2 J	< 2.1	< 2.1	3.9	3.4	< 2.1	< 2.1

NOTES:
1. mg/L - Milligrams per Liter
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the MDL.
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.

TABLE 5B
SUPPLEMENTAL DATA SUMMARY - FEBRUARY 2022
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	GROUNDWATER MONITORING WELLS									
		PZ-13S	PZ-14S	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
		2/8/2022	2/8/2022	2/9/2022	2/9/2022	2/10/2022	2/9/2022	2/9/2022	2/9/2022	2/9/2022	2/10/2022
Additional Parameters											
ALKALINITY, BICARBONATE	mg/L	16	22	62	75	33	21	76	54	100	94
ALKALINITY, CARBONATE	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ALKALINITY, TOTAL	mg/L	16	22	62	75	33	21	76	54	100	94
FERRIC IRON	mg/L	0.22	< 0.10	< 0.10	< 0.10	0.43	0.21	< 0.10	< 0.10	0.31	0.71
FERROUS IRON	mg/L	< 0.081	< 0.081	< 0.081	< 0.081	0.97	< 0.081	0.24	< 0.081	0.28	0.29
MAGNESIUM	mg/L	1.6	2.5	15	9.1	60	42	27	15	9.7	12
MANGANESE	mg/L	0.051	0.0097	0.0016 J	0.14	0.38	0.011	0.14	0.025	0.20	1.4
POTASSIUM	mg/L	0.39 J	0.60	2.0	1.6	8.1	3.7	3.5	3.4	1.9	5.8
SODIUM	mg/L	5.0	1.9	11	6.6	56	45	27	10	5.5	20
SULFIDE	mg/L	2.7 J	< 2.1	< 2.1	< 2.1	< 2.1	2.3 J	2.3 J	4.9	< 2.1	2.1 J

NOTES:
1. mg/L - Milligrams per Liter
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the MDL.
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

TABLE 6
SUMMARY OF BACKGROUND LEVELS AND GWPS
Georgia Power Company - Plant Scherer
Juliette, Georgia

Analyte	Units	Maximum Contaminant Level (MCL)	Regional Screening Level (RSL)	Site Specific Background February 2022[1]	GWPS[2] February 2022
Antimony	mg/L	0.006	--	0.0021	0.006
Arsenic	mg/L	0.01	--	0.0015	0.01
Barium	mg/L	2	--	0.071	2
Beryllium	mg/L	0.004	--	0.0025	0.004
Cadmium	mg/L	0.005	--	0.0025	0.005
Chromium	mg/L	0.1	--	0.021	0.1
Cobalt	mg/L	NA	0.006	0.02	0.02
Fluoride	mg/L	4	--	0.16	4.0
Lead	mg/L	NA	0.015	0.001[3]	0.015
Lithium	mg/L	NA	0.04	0.005[3]	0.04
Mercury	mg/L	0.002	--	0.0005	0.002
Molybdenum	mg/L	NA	0.1	0.015	0.1
Radium (226 + 228)	pCi/L	5	--	1.54	5.0
Selenium	mg/L	0.05	--	0.005	0.05
Thallium	mg/L	0.002	--	0.001	0.002

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

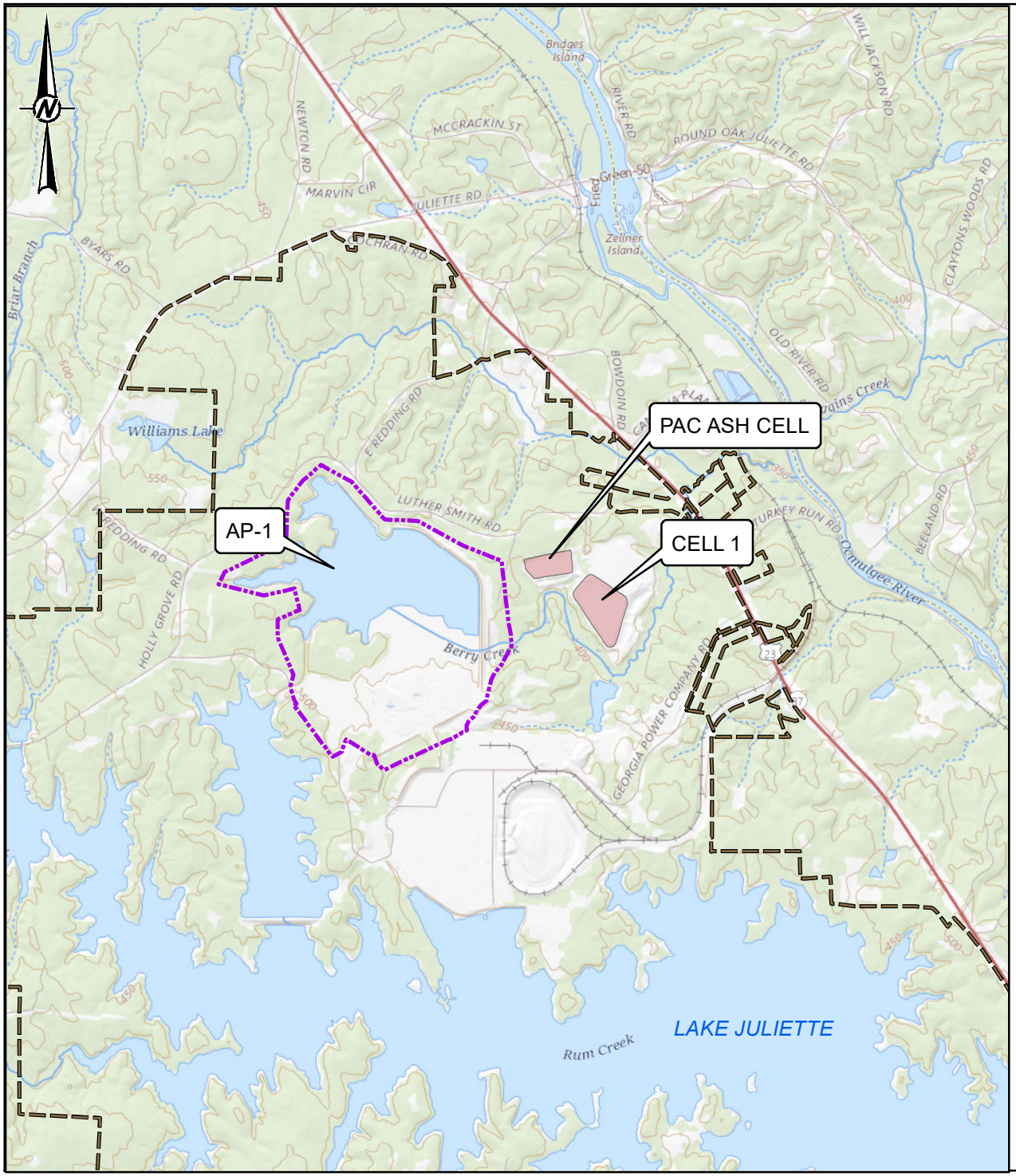
[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

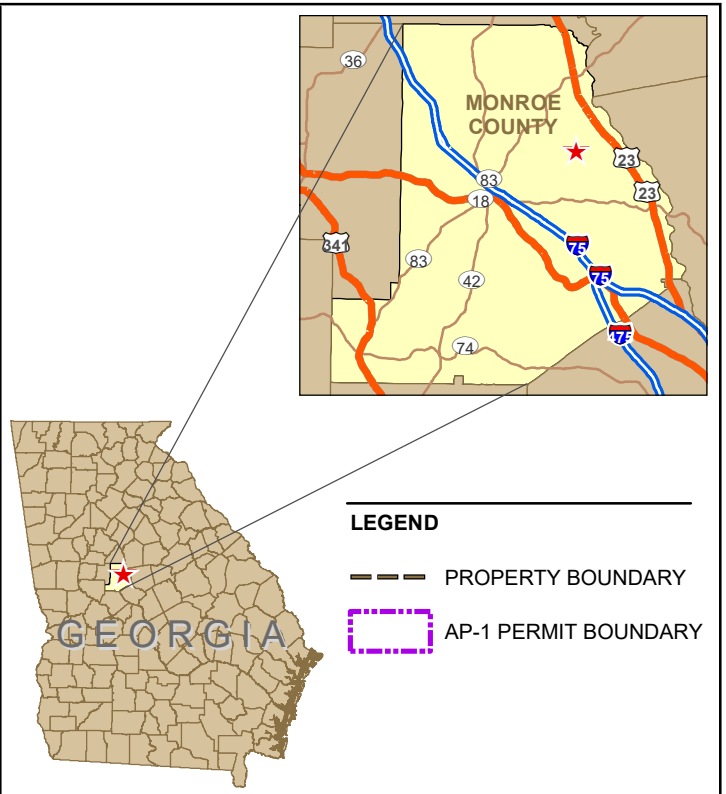
[2] Under existing EPD rules, the GWPS is: (i) The MCL established under 141.62 and 131.66 of this title, (ii) where an MCL has not been established the rule-specified GWPS, or (iii) background concentrations where the background level is higher than the MCL or rule-specified GWPS. On February 22, 2022, GA EPD adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.

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

Figures

Path: H:\16x-Projects\1662350-Southern Company Services\figures\AE-HAR\166235021AE000-GIS.mxd





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

Georgia Power

PROJECT
2022 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER - ASH POND 1

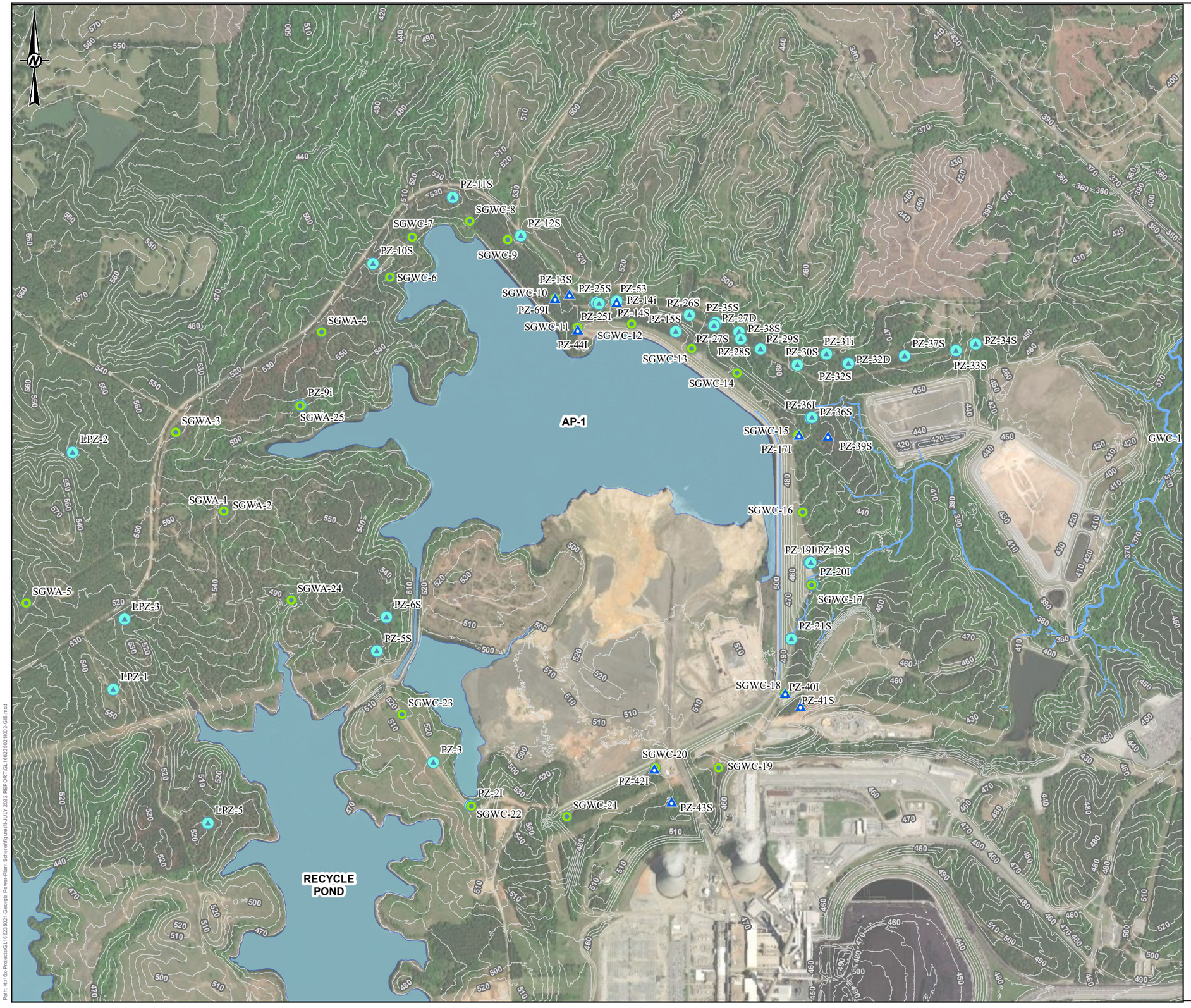
TITLE
SITE LOCATION MAP

CONSULTANT
WSP GOLDER

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

PROJECT No.	CONTROL	Rev.	FIGURE
166235021	166235021AE000-GIS.mxd	0	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANSI A
1 in
0



LEGEND

- MONITORING WELL LOCATION
- ASSESSMENT MONITORING WELL LOCATION
- PIEZOMETER 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

Georgia Power

PROJECT
2022 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER ASH POND 1

TITLE
SITE PLAN, MONITORING WELL AND PIEZOMETER LOCATION MAP

CONSULTANT

wsp GOLDER

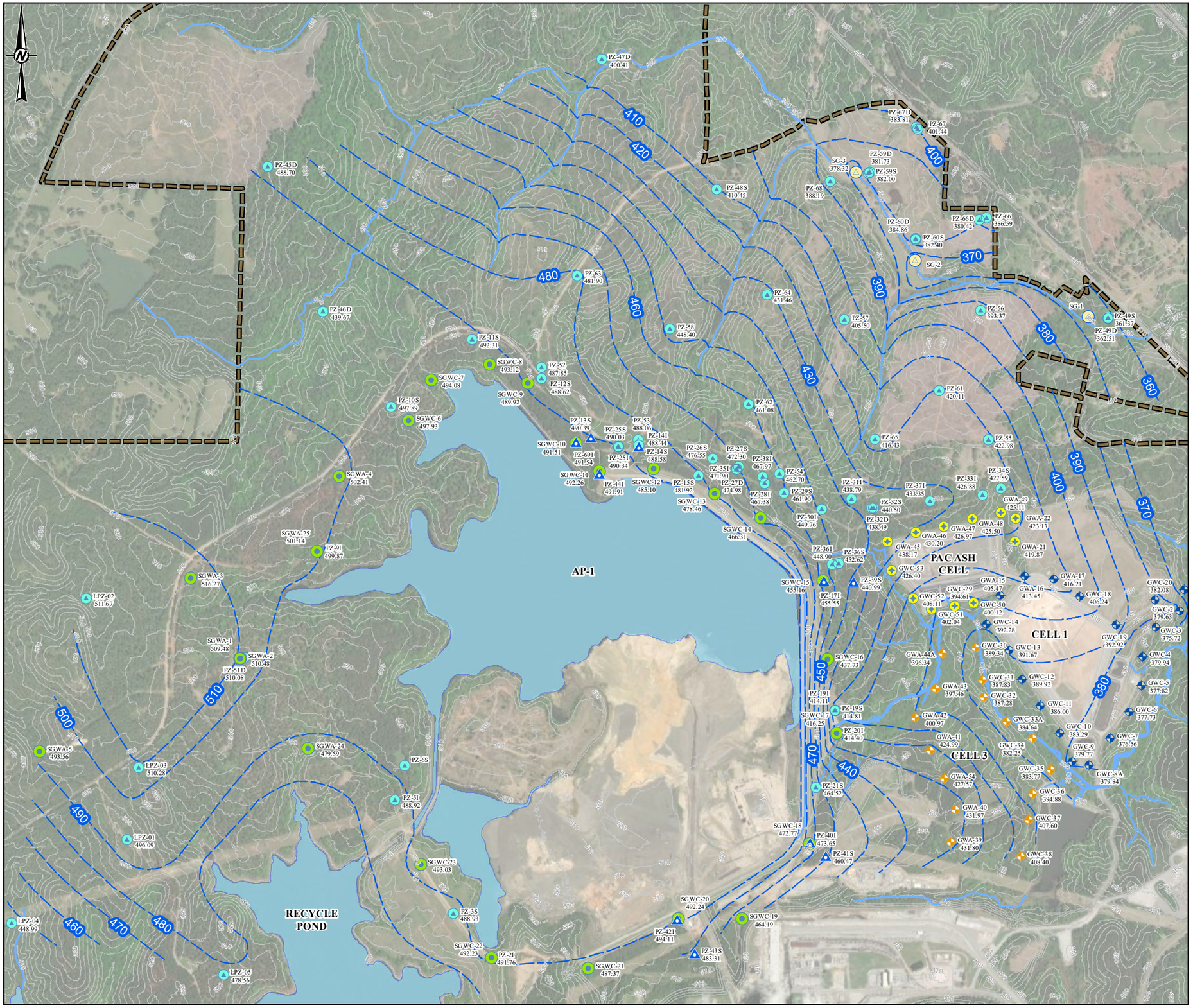
YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021I002-GIS.mxd	0	2

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

0 1in

Path: H:\16x-Projects\GL166235021-Georgia Power-Plant Scherer\figures\I- JULY 2022 REPORT\GL166235021I002-GIS.mxd



LEGEND

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

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.
5. PZ-46D* AND PZ-67D* WERE NOT USED FOR CONTOURING.

REFERENCE

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

RACHEL P. KIRKMAN
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
PG001756
8-31-22

1200 600 0 1200
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

Georgia Power

PROJECT
2022 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER ASH POND 1

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 8, 2022

CONSULTANT
wsp GOLDER

YYYY-MM-DD	2022-02-17
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No. GL166235021 | CONTROL GL166235021A001-GIS.mxd | Rev. 0 | FIGURE 3

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 2022

Low-Flow Test Report:

Test Date / Time: 2/8/2022 3:11:03 PM
Project: Plant Scherer
Operator Name: Joe Booth

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: 30.25 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 43 ft** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 12418.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 170 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Prepurge 1 liter

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/8/2022 3:11 PM	00:00	5.40 pH	20.29 °C	63.58 µS/cm	1.38 mg/L	417.00 NTU	68.4 mV	30.25 ft	170.00 ml/min
2/8/2022 3:15 PM	04:00	4.77 pH	18.36 °C	58.27 µS/cm	0.44 mg/L	342.00 NTU	42.0 mV	30.42 ft	170.00 ml/min
2/8/2022 3:19 PM	08:00	4.76 pH	18.16 °C	58.43 µS/cm	0.36 mg/L	281.00 NTU	33.4 mV	30.42 ft	170.00 ml/min
2/8/2022 3:23 PM	12:00	4.78 pH	17.91 °C	58.59 µS/cm	0.32 mg/L	148.00 NTU	28.6 mV	30.42 ft	170.00 ml/min
2/8/2022 3:27 PM	16:00	4.78 pH	17.70 °C	59.01 µS/cm	0.43 mg/L	107.00 NTU	26.4 mV	30.42 ft	170.00 ml/min
2/8/2022 3:31 PM	20:00	4.84 pH	17.66 °C	59.31 µS/cm	0.30 mg/L	91.10 NTU	21.0 mV	30.42 ft	170.00 ml/min
2/8/2022 3:35 PM	24:00	4.82 pH	17.64 °C	59.65 µS/cm	0.27 mg/L	78.10 NTU	19.9 mV	30.42 ft	170.00 ml/min
2/8/2022 3:39 PM	28:00	4.83 pH	17.65 °C	59.79 µS/cm	0.23 mg/L	46.00 NTU	17.5 mV	30.42 ft	170.00 ml/min
2/8/2022 3:43 PM	32:00	4.85 pH	17.61 °C	60.00 µS/cm	0.21 mg/L	33.70 NTU	15.7 mV	30.42 ft	170.00 ml/min
2/8/2022 3:47 PM	36:00	4.86 pH	17.70 °C	62.39 µS/cm	3.89 mg/L	29.10 NTU	18.3 mV	30.42 ft	170.00 ml/min
2/8/2022 3:51 PM	40:00	4.86 pH	17.57 °C	61.18 µS/cm	0.21 mg/L	20.80 NTU	23.8 mV	30.42 ft	170.00 ml/min
2/8/2022 3:55 PM	44:00	4.85 pH	17.94 °C	60.98 µS/cm	0.15 mg/L	20.10 NTU	19.4 mV	30.42 ft	170.00 ml/min
2/8/2022 3:59 PM	48:00	4.86 pH	17.88 °C	60.96 µS/cm	0.13 mg/L	18.40 NTU	16.3 mV	30.42 ft	170.00 ml/min
2/8/2022 4:03 PM	52:00	4.87 pH	17.79 °C	61.27 µS/cm	0.13 mg/L	16.90 NTU	14.4 mV	30.42 ft	170.00 ml/min

2/8/2022 4:07 PM	56:00	4.87 pH	18.15 °C	61.25 µS/cm	0.12 mg/L	12.30 NTU	13.4 mV	30.42 ft	170.00 ml/min
2/8/2022 4:12 PM	01:01:03	4.89 pH	18.05 °C	61.08 µS/cm	0.12 mg/L	9.41 NTU	8.4 mV	30.42 ft	170.00 ml/min
2/8/2022 4:16 PM	01:05:03	4.91 pH	17.79 °C	62.28 µS/cm	0.12 mg/L	6.18 NTU	6.6 mV	30.42 ft	170.00 ml/min
2/8/2022 4:20 PM	01:09:03	4.91 pH	17.75 °C	61.94 µS/cm	0.11 mg/L	3.98 NTU	6.3 mV	30.42 ft	170.00 ml/min
2/8/2022 4:24 PM	01:13:03	4.92 pH	17.74 °C	62.14 µS/cm	0.12 mg/L	2.46 NTU	5.8 mV	30.42 ft	170.00 ml/min

Samples

Sample ID:	Description:
PZ-13S	Metals, TDS, Inorganics, sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/8/2022 3:54:57 PM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: PZ-14S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 43 ft** **Top of Screen: 38.25 ft** **Total Depth: 48.25 ft** **Initial Depth to Water: 23.65 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 43 ft** **Pump Intake From TOC: 43 ft** **Estimated Total Volume Pumped: 8500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Weather Conditions:
Clear, 56

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/8/2022 3:54 PM	00:00	7.33 pH	14.81 °C	79.34 µS/cm	5.97 mg/L	21.40 NTU	118.7 mV	23.67 ft	130.00 ml/min
2/8/2022 3:59 PM	05:00	5.72 pH	16.88 °C	71.86 µS/cm	0.44 mg/L	17.90 NTU	93.0 mV	23.67 ft	130.00 ml/min
2/8/2022 4:04 PM	10:00	5.59 pH	17.45 °C	66.30 µS/cm	0.26 mg/L	27.20 NTU	81.4 mV	23.67 ft	160.00 ml/min
2/8/2022 4:09 PM	15:00	5.50 pH	17.59 °C	61.10 µS/cm	0.21 mg/L	16.80 NTU	75.4 mV	23.67 ft	160.00 ml/min
2/8/2022 4:14 PM	20:00	5.48 pH	17.49 °C	61.08 µS/cm	0.20 mg/L	20.70 NTU	71.4 mV	23.67 ft	160.00 ml/min
2/8/2022 4:19 PM	25:00	5.47 pH	17.54 °C	60.83 µS/cm	0.18 mg/L	13.70 NTU	67.6 mV	23.68 ft	160.00 ml/min
2/8/2022 4:24 PM	30:00	5.45 pH	17.59 °C	59.88 µS/cm	0.17 mg/L	10.40 NTU	65.1 mV	23.68 ft	160.00 ml/min
2/8/2022 4:29 PM	35:00	5.44 pH	17.73 °C	59.18 µS/cm	0.16 mg/L	6.87 NTU	63.1 mV	23.68 ft	160.00 ml/min
2/8/2022 4:34 PM	40:00	5.44 pH	17.62 °C	59.27 µS/cm	0.16 mg/L	5.74 NTU	60.8 mV	23.67 ft	160.00 ml/min
2/8/2022 4:39 PM	45:00	5.44 pH	17.53 °C	59.13 µS/cm	0.15 mg/L	4.84 NTU	59.5 mV	23.67 ft	160.00 ml/min
2/8/2022 4:44 PM	50:00	5.44 pH	17.56 °C	58.92 µS/cm	0.14 mg/L	3.60 NTU	57.7 mV	23.67 ft	160.00 ml/min
2/8/2022 4:49 PM	55:00	5.42 pH	17.54 °C	58.75 µS/cm	0.14 mg/L	2.44 NTU	57.5 mV	23.67 ft	160.00 ml/min

Low-Flow Test Report:

Test Date / Time: 2/9/2022 11:18:21 AM
Project: SCS Plant Scherer
Operator Name: Duane Fulton

Location Name: PZ-17I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.35 ft** **Total Depth: 100.35 ft** **Initial Depth to Water: 27.33 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 95 ft** **Pump Intake From TOC: 95 ft** **Estimated Total Volume Pumped: 10516.417 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 95 ml/min** **Final Draw Down: 0.62 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Odor

Weather Conditions:
Clear, 53

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	+/- 2	+/- 10	+/- 0.3	
2/9/2022 11:18 AM	00:00	7.17 pH	14.49 °C	368.23 µS/cm	3.20 mg/L	33.46 NTU	-42.0 mV	27.90 ft	110.00 ml/min
2/9/2022 11:23 AM	05:00	6.79 pH	17.50 °C	359.47 µS/cm	0.95 mg/L	38.50 NTU	-26.6 mV	27.92 ft	110.00 ml/min
2/9/2022 11:28 AM	10:00	6.72 pH	17.99 °C	360.39 µS/cm	0.66 mg/L	48.20 NTU	-3.2 mV	27.93 ft	89.00 ml/min
2/9/2022 11:33 AM	15:00	6.71 pH	18.16 °C	360.39 µS/cm	0.52 mg/L	45.00 NTU	7.1 mV	27.95 ft	89.00 ml/min
2/9/2022 11:38 AM	20:00	6.71 pH	18.31 °C	358.94 µS/cm	0.51 mg/L	34.20 NTU	10.4 mV	27.95 ft	89.00 ml/min
2/9/2022 11:43 AM	25:00	6.71 pH	18.55 °C	359.99 µS/cm	0.41 mg/L	34.00 NTU	10.8 mV	27.95 ft	89.00 ml/min
2/9/2022 11:48 AM	30:00	6.71 pH	18.61 °C	357.63 µS/cm	0.37 mg/L	31.70 NTU	9.5 mV	27.96 ft	95.00 ml/min
2/9/2022 11:53 AM	35:00	6.71 pH	18.53 °C	358.32 µS/cm	0.33 mg/L	25.10 NTU	5.5 mV	27.96 ft	95.00 ml/min
2/9/2022 11:58 AM	40:00	6.70 pH	18.57 °C	358.08 µS/cm	0.31 mg/L	22.10 NTU	2.5 mV	27.96 ft	95.00 ml/min
2/9/2022 12:03 PM	45:00	6.72 pH	18.63 °C	357.90 µS/cm	0.31 mg/L	20.20 NTU	-4.7 mV	27.96 ft	95.00 ml/min
2/9/2022 12:08 PM	50:00	6.71 pH	18.57 °C	358.92 µS/cm	0.28 mg/L	18.50 NTU	-5.1 mV	27.96 ft	95.00 ml/min
2/9/2022 12:13 PM	55:00	6.71 pH	18.79 °C	358.20 µS/cm	0.26 mg/L	16.80 NTU	-21.2 mV	27.96 ft	95.00 ml/min
2/9/2022 12:14 PM	56:07	6.71 pH	18.74 °C	357.93 µS/cm	0.25 mg/L	15.20 NTU	-21.9 mV	27.96 ft	95.00 ml/min

2/9/2022 12:18 PM	01:00:23	6.71 pH	18.71 °C	358.38 µS/cm	0.24 mg/L	13.70 NTU	-28.4 mV	27.96 ft	95.00 ml/min
2/9/2022 12:23 PM	01:05:23	6.71 pH	18.68 °C	355.96 µS/cm	0.25 mg/L	11.20 NTU	-28.3 mV	27.95 ft	95.00 ml/min
2/9/2022 12:28 PM	01:10:23	6.71 pH	18.26 °C	359.73 µS/cm	0.23 mg/L	11.20 NTU	-32.1 mV	27.95 ft	95.00 ml/min
2/9/2022 12:33 PM	01:15:23	6.71 pH	18.13 °C	363.38 µS/cm	0.21 mg/L	11.10 NTU	-45.3 mV	27.96 ft	95.00 ml/min
2/9/2022 12:38 PM	01:20:23	6.71 pH	18.14 °C	361.95 µS/cm	0.22 mg/L	9.65 NTU	-35.3 mV	27.97 ft	95.00 ml/min
2/9/2022 12:43 PM	01:25:23	6.71 pH	18.01 °C	363.06 µS/cm	0.20 mg/L	8.50 NTU	-48.2 mV	27.96 ft	95.00 ml/min
2/9/2022 12:48 PM	01:30:23	6.71 pH	17.95 °C	363.63 µS/cm	0.21 mg/L	7.53 NTU	-62.4 mV	27.95 ft	95.00 ml/min
2/9/2022 12:53 PM	01:35:23	6.71 pH	17.82 °C	362.09 µS/cm	0.19 mg/L	6.64 NTU	-52.8 mV	27.95 ft	95.00 ml/min
2/9/2022 12:58 PM	01:40:23	6.71 pH	17.84 °C	364.22 µS/cm	0.19 mg/L	6.31 NTU	-71.0 mV	27.95 ft	95.00 ml/min
2/9/2022 1:03 PM	01:45:23	6.71 pH	17.86 °C	361.98 µS/cm	0.21 mg/L	5.08 NTU	-56.2 mV	27.95 ft	95.00 ml/min
2/9/2022 1:08 PM	01:50:23	6.71 pH	17.81 °C	363.90 µS/cm	0.18 mg/L	4.88 NTU	-75.3 mV	27.95 ft	95.00 ml/min

Samples

Sample ID:	Description:
PZ-17I	

Low-Flow Test Report:

Test Date / Time: 2/9/2022 9:31:01 AM
Project: Plant Scherer
Operator Name: Duane Fulton

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: 33.43 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 75 ft** **Pump Intake From TOC: 75 ft** **Estimated Total Volume Pumped: 5225 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.77 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear / 34 Deg

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	+/- 2	+/- 10	+/- 0.3	
2/9/2022 9:31 AM	00:00	6.76 pH	9.33 °C	238.60 µS/cm	6.22 mg/L	17.60 NTU	102.2 mV	33.75 ft	175.00 ml/min
2/9/2022 9:36 AM	05:00	6.57 pH	14.67 °C	236.09 µS/cm	0.74 mg/L	3.66 NTU	86.7 mV	34.11 ft	130.00 ml/min
2/9/2022 9:41 AM	10:00	6.55 pH	15.53 °C	233.28 µS/cm	0.80 mg/L	5.37 NTU	87.5 mV	34.22 ft	130.00 ml/min
2/9/2022 9:46 AM	15:00	6.55 pH	15.58 °C	234.84 µS/cm	0.97 mg/L	4.91 NTU	97.9 mV	34.20 ft	130.00 ml/min
2/9/2022 9:51 AM	20:00	6.53 pH	15.84 °C	233.99 µS/cm	0.95 mg/L	4.02 NTU	96.5 mV	34.20 ft	120.00 ml/min
2/9/2022 9:56 AM	25:00	6.55 pH	15.89 °C	233.45 µS/cm	0.93 mg/L	3.30 NTU	90.6 mV	34.20 ft	120.00 ml/min
2/9/2022 10:01 AM	30:00	6.55 pH	15.95 °C	233.17 µS/cm	0.87 mg/L	3.60 NTU	85.4 mV	34.20 ft	120.00 ml/min
2/9/2022 10:06 AM	35:00	6.54 pH	16.07 °C	232.05 µS/cm	0.92 mg/L	2.64 NTU	82.3 mV	34.20 ft	120.00 ml/min
2/9/2022 10:11 AM	40:00	6.55 pH	16.16 °C	231.14 µS/cm	0.74 mg/L	2.16 NTU	79.8 mV	34.20 ft	120.00 ml/min

Samples

Sample ID:	Description:
PZ-39S	

Low-Flow Test Report:

Test Date / Time: 2/10/2022 9:12:15 AM
Project: Plant Scherer
Operator Name: Joe Booth

Location Name: PZ-40I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 75.93 ft** **Total Depth: 85.93 ft** **Initial Depth to Water: 38.28 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 80 ft** **Pump Intake From TOC: 80 ft** **Estimated Total Volume Pumped: 20469.334 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 3.87 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Prepurge 1 liter

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/10/2022 9:12 AM	00:00	7.57 pH	16.51 °C	362.02 µS/cm	1.95 mg/L	52.30 NTU	109.6 mV	38.28 ft	160.00 ml/min
2/10/2022 9:16 AM	04:00	7.43 pH	18.01 °C	340.98 µS/cm	0.91 mg/L	30.30 NTU	107.2 mV	40.17 ft	160.00 ml/min
2/10/2022 9:20 AM	08:00	7.31 pH	18.24 °C	426.99 µS/cm	0.76 mg/L	30.70 NTU	104.4 mV	40.54 ft	160.00 ml/min
2/10/2022 9:24 AM	12:00	7.18 pH	18.20 °C	568.61 µS/cm	0.65 mg/L	30.40 NTU	99.3 mV	40.96 ft	160.00 ml/min
2/10/2022 9:28 AM	16:00	6.97 pH	18.20 °C	750.01 µS/cm	0.55 mg/L	30.10 NTU	90.6 mV	41.30 ft	160.00 ml/min
2/10/2022 9:32 AM	20:00	6.72 pH	18.24 °C	902.28 µS/cm	0.48 mg/L	23.50 NTU	81.5 mV	41.49 ft	160.00 ml/min
2/10/2022 9:36 AM	24:00	6.54 pH	18.20 °C	999.62 µS/cm	0.41 mg/L	24.80 NTU	74.7 mV	41.66 ft	160.00 ml/min
2/10/2022 9:40 AM	28:00	6.41 pH	18.20 °C	1,073.2 µS/cm	0.35 mg/L	18.50 NTU	70.1 mV	41.81 ft	160.00 ml/min
2/10/2022 9:44 AM	32:00	6.33 pH	18.24 °C	1,122.2 µS/cm	0.31 mg/L	16.20 NTU	66.8 mV	41.95 ft	160.00 ml/min
2/10/2022 9:48 AM	36:00	6.28 pH	18.31 °C	1,157.0 µS/cm	0.27 mg/L	13.70 NTU	64.1 mV	42.03 ft	160.00 ml/min
2/10/2022 9:52 AM	40:00	6.24 pH	18.37 °C	1,189.9 µS/cm	0.24 mg/L	11.40 NTU	62.5 mV	42.11 ft	160.00 ml/min
2/10/2022 9:56 AM	44:00	6.22 pH	18.42 °C	1,214.7 µS/cm	0.22 mg/L	11.50 NTU	61.6 mV	42.15 ft	160.00 ml/min
2/10/2022 10:00 AM	48:00	6.20 pH	18.37 °C	1,234.0 µS/cm	0.20 mg/L	10.10 NTU	61.1 mV	42.15 ft	160.00 ml/min
2/10/2022 10:04 AM	52:00	6.18 pH	18.52 °C	1,252.0 µS/cm	0.19 mg/L	9.88 NTU	60.4 mV	42.15 ft	160.00 ml/min

2/10/2022 10:08 AM	56:00	6.17 pH	18.67 °C	1,261.9 µS/cm	0.17 mg/L	11.30 NTU	59.7 mV	42.15 ft	160.00 ml/min
2/10/2022 10:12 AM	01:00:00	6.15 pH	18.87 °C	1,268.0 µS/cm	0.16 mg/L	10.60 NTU	59.2 mV	42.15 ft	160.00 ml/min
2/10/2022 10:16 AM	01:04:00	6.14 pH	19.12 °C	1,281.0 µS/cm	0.14 mg/L	10.80 NTU	58.7 mV	42.15 ft	160.00 ml/min
2/10/2022 10:20 AM	01:08:00	6.14 pH	19.27 °C	1,274.0 µS/cm	0.14 mg/L	8.28 NTU	58.2 mV	42.15 ft	160.00 ml/min
2/10/2022 10:24 AM	01:12:00	6.13 pH	19.42 °C	1,274.2 µS/cm	0.14 mg/L	9.49 NTU	57.6 mV	42.15 ft	160.00 ml/min
2/10/2022 10:28 AM	01:16:00	6.13 pH	19.49 °C	1,272.0 µS/cm	0.13 mg/L	10.40 NTU	57.1 mV	42.15 ft	160.00 ml/min
2/10/2022 10:32 AM	01:20:00	6.13 pH	19.57 °C	1,277.4 µS/cm	0.12 mg/L	9.83 NTU	56.5 mV	42.15 ft	160.00 ml/min
2/10/2022 10:36 AM	01:24:00	6.13 pH	19.66 °C	1,279.2 µS/cm	0.12 mg/L	9.67 NTU	56.1 mV	42.15 ft	160.00 ml/min
2/10/2022 10:40 AM	01:28:00	6.12 pH	19.84 °C	1,277.8 µS/cm	0.11 mg/L	8.77 NTU	55.3 mV	42.15 ft	160.00 ml/min
2/10/2022 10:44 AM	01:31:56	6.12 pH	20.01 °C	1,298.9 µS/cm	0.11 mg/L	8.24 NTU	54.8 mV	42.15 ft	160.00 ml/min
2/10/2022 10:48 AM	01:35:56	6.12 pH	20.00 °C	1,286.6 µS/cm	0.11 mg/L	8.11 NTU	54.4 mV	42.15 ft	160.00 ml/min
2/10/2022 10:52 AM	01:39:56	6.12 pH	20.06 °C	1,283.2 µS/cm	0.10 mg/L	8.04 NTU	53.9 mV	42.15 ft	160.00 ml/min
2/10/2022 10:56 AM	01:43:56	6.12 pH	20.02 °C	1,281.1 µS/cm	0.10 mg/L	7.40 NTU	53.5 mV	42.15 ft	160.00 ml/min
2/10/2022 11:00 AM	01:47:56	6.11 pH	20.15 °C	1,286.1 µS/cm	0.10 mg/L	8.33 NTU	53.0 mV	42.15 ft	160.00 ml/min
2/10/2022 11:04 AM	01:51:56	6.11 pH	20.19 °C	1,283.4 µS/cm	0.10 mg/L	7.44 NTU	52.6 mV	42.15 ft	160.00 ml/min
2/10/2022 11:08 AM	01:55:56	6.11 pH	20.06 °C	1,284.9 µS/cm	0.09 mg/L	7.33 NTU	52.4 mV	42.15 ft	160.00 ml/min
2/10/2022 11:12 AM	01:59:56	6.11 pH	19.95 °C	1,289.1 µS/cm	0.09 mg/L	7.29 NTU	52.2 mV	42.15 ft	160.00 ml/min
2/10/2022 11:16 AM	02:03:56	6.11 pH	20.11 °C	1,285.3 µS/cm	0.09 mg/L	7.27 NTU	51.7 mV	42.15 ft	160.00 ml/min
2/10/2022 11:20 AM	02:07:56	6.11 pH	20.24 °C	1,288.7 µS/cm	0.09 mg/L	3.96 NTU	51.3 mV	42.15 ft	160.00 ml/min

Samples

Sample ID:	Description:
PZ-40I	Metals, TDS, Inorganics, sulfide, Radium

Low-Flow Test Report:

Test Date / Time: 2/9/2022 2:02:56 PM
Project: Plant Scherer
Operator Name: Joe Booth

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: 30.59 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 42 ft** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 14400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.91 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Prepurge 1 liter

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/9/2022 2:02 PM	00:00	6.31 pH	20.32 °C	945.84 µS/cm	2.57 mg/L	53.10 NTU	42.3 mV	30.59 ft	200.00 ml/min
2/9/2022 2:06 PM	04:00	6.03 pH	19.00 °C	997.91 µS/cm	1.94 mg/L	52.50 NTU	41.1 mV	31.98 ft	200.00 ml/min
2/9/2022 2:10 PM	08:00	5.99 pH	18.80 °C	1,004.7 µS/cm	1.83 mg/L	41.70 NTU	41.0 mV	32.16 ft	200.00 ml/min
2/9/2022 2:14 PM	12:00	5.98 pH	18.60 °C	1,015.5 µS/cm	1.80 mg/L	26.80 NTU	41.0 mV	32.30 ft	200.00 ml/min
2/9/2022 2:18 PM	16:00	5.97 pH	18.51 °C	1,021.0 µS/cm	1.77 mg/L	22.70 NTU	40.8 mV	32.38 ft	200.00 ml/min
2/9/2022 2:22 PM	20:00	5.97 pH	18.49 °C	1,021.4 µS/cm	1.75 mg/L	18.30 NTU	40.9 mV	32.39 ft	200.00 ml/min
2/9/2022 2:26 PM	24:00	5.97 pH	18.46 °C	1,021.8 µS/cm	1.76 mg/L	15.50 NTU	41.0 mV	32.41 ft	200.00 ml/min
2/9/2022 2:30 PM	28:00	5.96 pH	18.46 °C	1,023.3 µS/cm	1.78 mg/L	13.30 NTU	41.2 mV	32.44 ft	200.00 ml/min
2/9/2022 2:34 PM	32:00	5.96 pH	18.46 °C	1,023.4 µS/cm	1.77 mg/L	12.40 NTU	41.4 mV	32.47 ft	200.00 ml/min
2/9/2022 2:38 PM	36:00	5.96 pH	18.49 °C	1,022.3 µS/cm	1.78 mg/L	13.20 NTU	41.6 mV	32.48 ft	200.00 ml/min
2/9/2022 2:42 PM	40:00	5.96 pH	18.53 °C	1,023.8 µS/cm	1.79 mg/L	8.81 NTU	41.7 mV	32.49 ft	200.00 ml/min
2/9/2022 2:46 PM	44:00	5.96 pH	18.45 °C	1,024.5 µS/cm	1.81 mg/L	7.28 NTU	41.9 mV	32.49 ft	200.00 ml/min
2/9/2022 2:50 PM	48:00	5.96 pH	18.37 °C	1,025.1 µS/cm	1.82 mg/L	7.70 NTU	42.2 mV	32.49 ft	200.00 ml/min
2/9/2022 2:54 PM	52:00	5.95 pH	18.33 °C	1,028.9 µS/cm	1.82 mg/L	6.78 NTU	42.4 mV	32.50 ft	200.00 ml/min

2/9/2022 2:58 PM	56:00	5.95 pH	18.25 °C	1,026.7 µS/cm	1.82 mg/L	6.33 NTU	42.6 mV	32.50 ft	200.00 ml/min
2/9/2022 3:02 PM	01:00:00	5.95 pH	18.23 °C	1,029.2 µS/cm	1.83 mg/L	6.44 NTU	42.7 mV	32.50 ft	200.00 ml/min
2/9/2022 3:06 PM	01:04:00	5.95 pH	18.17 °C	1,028.6 µS/cm	1.85 mg/L	5.64 NTU	42.9 mV	32.50 ft	200.00 ml/min
2/9/2022 3:10 PM	01:08:00	5.95 pH	18.17 °C	1,030.1 µS/cm	1.85 mg/L	5.12 NTU	43.2 mV	32.50 ft	200.00 ml/min
2/9/2022 3:14 PM	01:12:00	5.95 pH	18.15 °C	1,029.7 µS/cm	1.85 mg/L	4.84 NTU	43.3 mV	32.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-42I	Metals, TDS, Inorganics, sulfide, Radium
DUP-1	Metals, TDS, Inorganics, sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 11:40:29 AM
Project: Plant Scherer
Operator Name: Joe Booth

Location Name: PZ-42I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 87.46 ft** **Total Depth: 97.46 ft** **Initial Depth to Water: 8.78 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 93 ft** **Pump Intake From TOC: 93 ft** **Estimated Total Volume Pumped: 14778 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 3.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Prepurge 1 liter

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/9/2022 11:40 AM	00:00	6.41 pH	17.71 °C	631.90 µS/cm	0.81 mg/L	21.80 NTU	35.9 mV	8.78 ft	180.00 ml/min
2/9/2022 11:44 AM	04:00	6.28 pH	18.96 °C	650.94 µS/cm	0.39 mg/L	12.10 NTU	34.6 mV	10.68 ft	180.00 ml/min
2/9/2022 11:48 AM	08:00	6.26 pH	19.14 °C	658.42 µS/cm	0.31 mg/L	11.90 NTU	34.8 mV	11.19 ft	180.00 ml/min
2/9/2022 11:52 AM	12:00	6.25 pH	19.42 °C	666.39 µS/cm	0.26 mg/L	10.90 NTU	34.8 mV	11.43 ft	180.00 ml/min
2/9/2022 11:56 AM	16:00	6.25 pH	19.30 °C	666.41 µS/cm	0.25 mg/L	14.90 NTU	34.9 mV	11.57 ft	180.00 ml/min
2/9/2022 12:00 PM	20:00	6.25 pH	19.04 °C	669.44 µS/cm	0.24 mg/L	19.30 NTU	35.2 mV	11.64 ft	180.00 ml/min
2/9/2022 12:04 PM	24:00	6.24 pH	18.86 °C	670.27 µS/cm	0.22 mg/L	11.40 NTU	35.1 mV	11.68 ft	180.00 ml/min
2/9/2022 12:08 PM	28:00	6.24 pH	18.88 °C	669.34 µS/cm	0.21 mg/L	29.60 NTU	34.9 mV	11.72 ft	180.00 ml/min
2/9/2022 12:12 PM	32:00	6.24 pH	18.94 °C	668.09 µS/cm	0.20 mg/L	25.40 NTU	34.7 mV	11.78 ft	180.00 ml/min
2/9/2022 12:16 PM	36:00	6.24 pH	18.67 °C	674.00 µS/cm	0.19 mg/L	29.30 NTU	34.6 mV	11.80 ft	180.00 ml/min
2/9/2022 12:20 PM	40:00	6.24 pH	18.73 °C	672.55 µS/cm	0.18 mg/L	25.30 NTU	34.3 mV	11.81 ft	180.00 ml/min
2/9/2022 12:24 PM	44:00	6.25 pH	18.77 °C	670.13 µS/cm	0.17 mg/L	21.60 NTU	34.1 mV	11.84 ft	180.00 ml/min
2/9/2022 12:28 PM	48:00	6.24 pH	18.80 °C	676.31 µS/cm	0.18 mg/L	17.40 NTU	33.6 mV	11.86 ft	180.00 ml/min
2/9/2022 12:32 PM	52:00	6.25 pH	18.55 °C	671.14 µS/cm	0.17 mg/L	11.00 NTU	33.6 mV	11.87 ft	180.00 ml/min

2/9/2022 12:36 PM	56:00	6.26 pH	18.44 °C	669.35 µS/cm	0.17 mg/L	10.44 NTU	32.9 mV	11.89 ft	180.00 ml/min
2/9/2022 12:40 PM	01:00:00	6.25 pH	18.46 °C	671.14 µS/cm	0.17 mg/L	11.60 NTU	32.7 mV	11.89 ft	180.00 ml/min
2/9/2022 12:44 PM	01:04:00	6.25 pH	18.50 °C	669.16 µS/cm	0.16 mg/L	12.80 NTU	32.0 mV	11.89 ft	180.00 ml/min
2/9/2022 12:48 PM	01:08:00	6.24 pH	18.84 °C	672.32 µS/cm	0.13 mg/L	11.40 NTU	31.4 mV	11.89 ft	180.00 ml/min
2/9/2022 12:52 PM	01:12:00	6.25 pH	19.22 °C	673.12 µS/cm	0.13 mg/L	11.60 NTU	31.1 mV	11.89 ft	180.00 ml/min
2/9/2022 12:54 PM	01:14:06	6.25 pH	19.40 °C	676.56 µS/cm	0.12 mg/L	9.09 NTU	30.9 mV	11.89 ft	180.00 ml/min
2/9/2022 12:58 PM	01:18:06	6.25 pH	20.01 °C	664.47 µS/cm	0.14 mg/L	4.46 NTU	30.0 mV	11.89 ft	180.00 ml/min
2/9/2022 1:02 PM	01:22:06	6.25 pH	20.00 °C	666.25 µS/cm	0.14 mg/L	3.75 NTU	29.3 mV	11.89 ft	180.00 ml/min

Samples

Sample ID:	Description:
PZ-42I	Metals, TDS, Inorganics, sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 9:29:33 AM
Project: Plant Scherer
Operator Name: Joe Booth

Location Name: PZ-43S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.9 ft** **Total Depth: 53.9 ft** **Initial Depth to Water: 20.62 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 48 ft** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 8320 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 2.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
Prepurge 1.5 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/9/2022 9:29 AM	00:00	10.34 pH	10.43 °C	545.77 µS/cm	5.71 mg/L	6.20 NTU	113.5 mV	20.62 ft	160.00 ml/min
2/9/2022 9:33 AM	04:00	8.55 pH	15.87 °C	482.73 µS/cm	1.52 mg/L	6.69 NTU	68.6 mV	21.92 ft	160.00 ml/min
2/9/2022 9:37 AM	08:00	7.89 pH	16.32 °C	474.52 µS/cm	1.12 mg/L	11.50 NTU	62.0 mV	22.23 ft	160.00 ml/min
2/9/2022 9:41 AM	12:00	7.52 pH	16.45 °C	473.95 µS/cm	1.01 mg/L	10.40 NTU	59.2 mV	22.39 ft	160.00 ml/min
2/9/2022 9:45 AM	16:00	7.29 pH	16.46 °C	477.18 µS/cm	0.95 mg/L	9.34 NTU	57.8 mV	22.44 ft	160.00 ml/min
2/9/2022 9:49 AM	20:00	7.13 pH	16.50 °C	476.55 µS/cm	0.90 mg/L	8.59 NTU	56.8 mV	22.51 ft	160.00 ml/min
2/9/2022 9:53 AM	24:00	7.03 pH	16.57 °C	477.47 µS/cm	0.85 mg/L	8.51 NTU	56.0 mV	22.56 ft	160.00 ml/min
2/9/2022 9:57 AM	28:00	6.95 pH	16.54 °C	476.25 µS/cm	0.81 mg/L	7.44 NTU	55.2 mV	22.58 ft	160.00 ml/min
2/9/2022 10:01 AM	32:00	6.89 pH	16.67 °C	474.75 µS/cm	0.77 mg/L	7.61 NTU	54.5 mV	22.59 ft	160.00 ml/min
2/9/2022 10:05 AM	36:00	6.83 pH	16.72 °C	473.60 µS/cm	0.72 mg/L	6.47 NTU	54.0 mV	22.60 ft	160.00 ml/min
2/9/2022 10:09 AM	40:00	6.78 pH	16.81 °C	471.37 µS/cm	0.68 mg/L	5.24 NTU	53.7 mV	22.62 ft	160.00 ml/min
2/9/2022 10:13 AM	44:00	6.74 pH	16.85 °C	469.71 µS/cm	0.64 mg/L	4.56 NTU	53.1 mV	22.64 ft	160.00 ml/min
2/9/2022 10:17 AM	48:00	6.70 pH	16.88 °C	467.03 µS/cm	0.59 mg/L	4.91 NTU	52.7 mV	22.64 ft	160.00 ml/min
2/9/2022 10:21 AM	52:00	6.66 pH	16.90 °C	463.82 µS/cm	0.55 mg/L	2.86 NTU	52.1 mV	22.64 ft	160.00 ml/min

Samples

Sample ID:	Description:
PZ-43s	Metals, TDS, Inorganics, cyanide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 2:53:22 PM
Project: Plant Scherer
Operator Name: Duane Fulton

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: 18.3 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 112 ft** **Pump Intake From TOC: 112 ft** **Estimated Total Volume Pumped: 5545 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.74 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear, 60

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	+/- 2	+/- 10	+/- 0.3	
2/9/2022 2:53 PM	00:00	6.74 pH	21.93 °C	199.14 µS/cm	4.13 mg/L	4.92 NTU	-24.7 mV	18.55 ft	100.00 ml/min
2/9/2022 2:58 PM	05:00	6.60 pH	19.46 °C	204.94 µS/cm	1.15 mg/L	23.50 NTU	-66.2 mV	18.72 ft	82.00 ml/min
2/9/2022 3:03 PM	10:00	6.59 pH	19.29 °C	205.57 µS/cm	0.73 mg/L	18.50 NTU	-73.0 mV	28.75 ft	82.00 ml/min
2/9/2022 3:08 PM	15:00	6.58 pH	19.25 °C	204.78 µS/cm	0.53 mg/L	14.10 NTU	-60.3 mV	18.85 ft	125.00 ml/min
2/9/2022 3:13 PM	20:00	6.58 pH	19.09 °C	204.74 µS/cm	0.41 mg/L	11.00 NTU	-82.0 mV	18.95 ft	120.00 ml/min
2/9/2022 3:18 PM	25:00	6.58 pH	19.06 °C	203.68 µS/cm	0.31 mg/L	8.34 NTU	-66.3 mV	19.00 ft	120.00 ml/min
2/9/2022 3:23 PM	30:00	6.59 pH	19.06 °C	202.50 µS/cm	0.28 mg/L	9.69 NTU	-67.0 mV	19.03 ft	120.00 ml/min
2/9/2022 3:28 PM	35:00	6.58 pH	18.97 °C	201.69 µS/cm	0.28 mg/L	5.85 NTU	-66.8 mV	19.04 ft	120.00 ml/min
2/9/2022 3:33 PM	40:00	6.57 pH	18.97 °C	200.89 µS/cm	0.26 mg/L	4.31 NTU	-86.0 mV	19.01 ft	120.00 ml/min
2/9/2022 3:38 PM	45:00	6.58 pH	18.97 °C	199.65 µS/cm	0.24 mg/L	4.45 NTU	-67.3 mV	19.01 ft	120.00 ml/min
2/9/2022 3:43 PM	50:00	6.57 pH	18.97 °C	200.34 µS/cm	0.21 mg/L	4.12 NTU	-86.3 mV	19.04 ft	120.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/10/2022 11:05:09 AM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: PZ-69I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 98.16 ft** **Total Depth: 108.16 ft** **Initial Depth to Water: 17.20 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 103 ft** **Pump Intake From TOC: 103 ft** **Estimated Total Volume Pumped: 3993 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: 850751**

Test Notes:
Second sample collection

Weather Conditions:
Clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 2	+/- 10	+/- 0.3	
2/10/2022 11:05 AM	00:00	6.63 pH	17.37 °C	488.43 µS/cm	0.19 mg/L	4.11 NTU	-26.2 mV	17.29 ft	190.00 ml/min
2/10/2022 11:10 AM	05:00	6.64 pH	17.86 °C	483.93 µS/cm	0.14 mg/L	3.22 NTU	-42.6 mV	17.29 ft	190.00 ml/min
2/10/2022 11:11 AM	06:01	6.64 pH	17.91 °C	483.80 µS/cm	0.14 mg/L	2.27 NTU	-43.9 mV	17.29 ft	190.00 ml/min
2/10/2022 11:16 AM	11:01	6.65 pH	18.05 °C	478.77 µS/cm	0.12 mg/L	1.89 NTU	-38.2 mV	17.29 ft	190.00 ml/min
2/10/2022 11:21 AM	16:01	6.61 pH	18.17 °C	471.41 µS/cm	0.11 mg/L	1.55 NTU	-36.6 mV	17.29 ft	190.00 ml/min
2/10/2022 11:26 AM	21:01	6.61 pH	18.25 °C	469.48 µS/cm	0.10 mg/L	2.22 NTU	-48.6 mV	17.29 ft	190.00 ml/min

Samples

Sample ID:	Description:
PZ-69 I	

Low-Flow Test Report:

Test Date / Time: 2/9/2022 1:02:09 PM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.4 ft** **Total Depth: 53.4 ft** **Initial Depth to Water: 37.27 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 44.6 ft** **Pump Intake From TOC: 44.6 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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	+/- 5	+/- 10	+/- 5	
2/9/2022 1:02 PM	00:00	5.35 pH	18.00 °C	32.75 µS/cm	2.22 mg/L	39.00 NTU	75.6 mV	37.27 ft	200.00 ml/min
2/9/2022 1:07 PM	05:00	5.32 pH	17.94 °C	30.81 µS/cm	1.86 mg/L	17.00 NTU	70.4 mV	37.51 ft	200.00 ml/min
2/9/2022 1:12 PM	10:00	5.32 pH	17.99 °C	31.65 µS/cm	2.05 mg/L	10.60 NTU	68.0 mV	37.52 ft	200.00 ml/min
2/9/2022 1:17 PM	15:00	5.35 pH	18.02 °C	31.60 µS/cm	1.69 mg/L	7.87 NTU	67.4 mV	37.53 ft	200.00 ml/min
2/9/2022 1:22 PM	20:00	5.28 pH	18.21 °C	31.83 µS/cm	1.11 mg/L	4.47 NTU	69.4 mV	37.54 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/9/2022 1:47:42 PM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 88.05 ft** **Total Depth: 98.5 ft** **Initial Depth to Water: 36.36 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 91.05 ft** **Pump Intake From TOC: 91.05 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.96 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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	+/- 5	+/- 10	+/- 5	
2/9/2022 1:47 PM	00:00	6.92 pH	17.94 °C	122.68 µS/cm	5.07 mg/L	3.31 NTU	71.3 mV	36.36 ft	200.00 ml/min
2/9/2022 1:52 PM	05:00	6.98 pH	18.01 °C	122.19 µS/cm	4.84 mg/L	1.44 NTU	70.1 mV	39.29 ft	200.00 ml/min
2/9/2022 1:57 PM	10:00	6.98 pH	17.97 °C	122.07 µS/cm	4.92 mg/L	1.52 NTU	71.0 mV	39.31 ft	200.00 ml/min
2/9/2022 2:02 PM	15:00	7.01 pH	18.00 °C	121.22 µS/cm	4.99 mg/L	1.18 NTU	71.1 mV	39.32 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 11:55:03 AM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.82 ft** **Total Depth: 52.82 ft** **Initial Depth to Water: 29.76 ft**	**Pump Type: QED Well Wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 44.9 ft** **Pump Intake From TOC: 44.9 ft** **Estimated Total Volume Pumped: 7.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 5.73 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/9/2022 11:55 AM	00:00	7.20 pH	23.16 °C	68.89 µS/cm	7.30 mg/L		41.9 mV	29.76 ft	200.00 ml/min
2/9/2022 12:00 PM	05:00	5.81 pH	18.94 °C	85.27 µS/cm	4.10 mg/L	1.19 NTU	41.7 mV	31.98 ft	200.00 ml/min
2/9/2022 12:05 PM	10:00	5.80 pH	18.74 °C	85.01 µS/cm	3.95 mg/L	0.63 NTU	41.2 mV	33.05 ft	200.00 ml/min
2/9/2022 12:10 PM	15:00	5.81 pH	18.82 °C	83.61 µS/cm	3.93 mg/L	0.43 NTU	41.5 mV	34.36 ft	200.00 ml/min
2/9/2022 12:15 PM	20:00	5.81 pH	18.75 °C	83.53 µS/cm	4.02 mg/L	0.54 NTU	42.1 mV	34.72 ft	200.00 ml/min
2/9/2022 12:20 PM	25:00	5.83 pH	18.70 °C	83.14 µS/cm	4.01 mg/L	0.22 NTU	42.5 mV	35.00 ft	160.00 ml/min
2/9/2022 12:25 PM	30:00	5.82 pH	18.65 °C	83.62 µS/cm	3.96 mg/L	0.54 NTU	43.1 mV	35.21 ft	160.00 ml/min
2/9/2022 12:30 PM	35:00	5.81 pH	18.65 °C	83.78 µS/cm	3.94 mg/L	0.21 NTU	43.8 mV	35.37 ft	160.00 ml/min
2/9/2022 12:35 PM	40:00	5.84 pH	18.79 °C	83.62 µS/cm	3.92 mg/L	0.24 NTU	43.9 mV	35.49 ft	160.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/9/2022 10:32:14 AM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: 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: 45.21 ft**	**Pump Type: QED Well Wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 54.8 ft** **Pump Intake From TOC: 54.8 ft** **Estimated Total Volume Pumped: 8.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 3.49 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/9/2022 10:32 AM	00:00	7.83 pH	14.76 °C	172.77 µS/cm	9.76 mg/L		114.3 mV	45.21 ft	260.00 ml/min
2/9/2022 10:37 AM	05:00	6.42 pH	17.65 °C	166.14 µS/cm	6.56 mg/L	2.15 NTU	61.6 mV	47.28 ft	260.00 ml/min
2/9/2022 10:42 AM	10:00	6.38 pH	17.90 °C	163.95 µS/cm	5.48 mg/L	1.64 NTU	57.0 mV	48.12 ft	260.00 ml/min
2/9/2022 10:47 AM	15:00	6.38 pH	18.07 °C	163.86 µS/cm	5.42 mg/L	1.85 NTU	51.2 mV	48.75 ft	260.00 ml/min
2/9/2022 10:52 AM	20:00	6.38 pH	18.08 °C	164.49 µS/cm	5.64 mg/L	1.87 NTU	54.3 mV	48.73 ft	180.00 ml/min
2/9/2022 10:57 AM	25:00	6.38 pH	18.12 °C	165.42 µS/cm	6.12 mg/L	1.38 NTU	50.8 mV	48.70 ft	180.00 ml/min
2/9/2022 11:02 AM	30:00	6.38 pH	18.24 °C	165.93 µS/cm	6.30 mg/L	1.46 NTU	53.7 mV	48.70 ft	180.00 ml/min
2/9/2022 11:07 AM	35:00	6.38 pH	18.28 °C	165.69 µS/cm	6.41 mg/L	0.89 NTU	53.5 mV	48.70 ft	180.00 ml/min

Samples

Sample ID:	Description:
SGWA-4	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 1:29:51 PM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWA-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.1 ft** **Total Depth: 33.1 ft** **Initial Depth to Water: 14.61 ft**	**Pump Type: QED Well Wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 24.36 ft** **Pump Intake From TOC: 24.36 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.86 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/9/2022 1:29 PM	00:00	6.79 pH	21.02 °C	47.25 µS/cm	7.93 mg/L		51.6 mV	14.61 ft	200.00 ml/min
2/9/2022 1:34 PM	05:00	5.64 pH	18.21 °C	53.61 µS/cm	4.84 mg/L	0.32 NTU	42.3 mV	15.39 ft	200.00 ml/min
2/9/2022 1:39 PM	10:00	5.58 pH	18.07 °C	53.96 µS/cm	4.37 mg/L	0.59 NTU	42.1 mV	15.47 ft	200.00 ml/min
2/9/2022 1:44 PM	15:00	5.56 pH	18.18 °C	54.05 µS/cm	4.20 mg/L	0.50 NTU	42.4 mV	15.47 ft	200.00 ml/min
2/9/2022 1:49 PM	20:00	5.56 pH	18.37 °C	53.83 µS/cm	4.11 mg/L	0.26 NTU	42.1 mV	15.47 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2022 3:09:45 PM
Project: Plant Scherer
Operator Name: K. Minkara

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: 12.43 ft**	**Pump Type: QED Well Wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 19.21 ft** **Pump Intake From TOC: 19.21 ft** **Estimated Total Volume Pumped: 6.3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 2.73 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/9/2022 3:09 PM	00:00	6.39 pH	19.77 °C	128.05 µS/cm	3.36 mg/L		48.2 mV	12.43 ft	140.00 ml/min
2/9/2022 3:14 PM	05:00	6.37 pH	19.06 °C	131.69 µS/cm	2.46 mg/L	1.36 NTU	47.4 mV	13.96 ft	140.00 ml/min
2/9/2022 3:19 PM	10:00	6.36 pH	19.12 °C	132.75 µS/cm	2.30 mg/L	1.43 NTU	47.3 mV	14.30 ft	140.00 ml/min
2/9/2022 3:24 PM	15:00	6.37 pH	18.86 °C	132.21 µS/cm	2.15 mg/L	1.70 NTU	46.5 mV	14.50 ft	140.00 ml/min
2/9/2022 3:29 PM	20:00	6.36 pH	19.24 °C	132.67 µS/cm	2.01 mg/L	1.97 NTU	45.7 mV	14.65 ft	140.00 ml/min
2/9/2022 3:34 PM	25:00	6.36 pH	19.05 °C	132.51 µS/cm	1.88 mg/L	1.10 NTU	45.5 mV	14.82 ft	140.00 ml/min
2/9/2022 3:39 PM	30:00	6.35 pH	18.86 °C	131.66 µS/cm	1.79 mg/L	1.51 NTU	46.0 mV	14.93 ft	140.00 ml/min
2/9/2022 3:44 PM	35:00	6.34 pH	18.81 °C	131.49 µS/cm	1.64 mg/L	1.11 NTU	46.3 mV	14.99 ft	140.00 ml/min
2/9/2022 3:49 PM	40:00	6.34 pH	18.56 °C	131.10 µS/cm	1.55 mg/L	1.78 NTU	46.3 mV	15.10 ft	140.00 ml/min
2/9/2022 3:54 PM	45:00	6.33 pH	18.44 °C	131.15 µS/cm	1.46 mg/L	1.79 NTU	46.8 mV	15.16 ft	140.00 ml/min

Samples

Sample ID:	Description:
SGWC-6	

Low-Flow Test Report:

Test Date / Time: 2/9/2022 3:33:37 PM
Project: Plant Scherer
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: 12.33 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 29.75 ft** **Pump Intake From TOC: 29.75 ft** **Estimated Total Volume Pumped: 7163 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/9/2022 3:33 PM	00:00	6.87 pH	18.76 °C	277.20 µS/cm	4.01 mg/L	35.00 NTU	60.9 mV	12.33 ft	200.00 ml/min
2/9/2022 3:38 PM	05:00	6.89 pH	18.74 °C	249.38 µS/cm	2.86 mg/L	11.00 NTU	61.5 mV	12.54 ft	200.00 ml/min
2/9/2022 3:43 PM	10:00	6.80 pH	18.75 °C	239.40 µS/cm	2.33 mg/L	4.86 NTU	63.7 mV	12.57 ft	200.00 ml/min
2/9/2022 3:48 PM	15:00	6.82 pH	18.66 °C	226.62 µS/cm	3.33 mg/L	4.08 NTU	66.2 mV	12.53 ft	200.00 ml/min
2/9/2022 3:53 PM	20:00	6.84 pH	18.79 °C	241.19 µS/cm	3.13 mg/L	3.06 NTU	67.0 mV	12.55 ft	200.00 ml/min
2/9/2022 3:54 PM	20:49	6.84 pH	18.76 °C	241.19 µS/cm	3.23 mg/L	3.06 NTU	67.8 mV	12.55 ft	200.00 ml/min
2/9/2022 3:59 PM	25:49	6.78 pH	18.87 °C	237.21 µS/cm	2.71 mg/L	2.80 NTU	68.2 mV	12.56 ft	200.00 ml/min
2/9/2022 4:04 PM	30:49	6.76 pH	18.86 °C	235.48 µS/cm	2.57 mg/L	2.50 NTU	68.3 mV	12.56 ft	200.00 ml/min
2/9/2022 4:09 PM	35:49	6.77 pH	18.95 °C	236.35 µS/cm	2.64 mg/L	2.26 NTU	69.5 mV	12.57 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2022 9:45:09 AM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWC-8 **Well Diameter: 2 ft** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.6 ft** **Total Depth: 42.6 ft** **Initial Depth to Water: 21.16 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 34.2 ft** **Pump Intake From TOC: 34.2 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

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 %	+/- 2	+/- 10	+/- 0.3	
2/10/2022 9:45 AM	00:00	8.46 pH	11.77 °C	620.90 µS/cm	9.90 mg/L		102.4 mV	21.16 ft	200.00 ml/min
2/10/2022 9:50 AM	05:00	6.53 pH	15.75 °C	627.98 µS/cm	2.06 mg/L	1.16 NTU	62.9 mV	21.31 ft	200.00 ml/min
2/10/2022 9:55 AM	10:00	6.51 pH	16.38 °C	619.69 µS/cm	1.74 mg/L	0.85 NTU	54.2 mV	21.33 ft	200.00 ml/min
2/10/2022 10:00 AM	15:00	6.48 pH	16.56 °C	618.21 µS/cm	1.30 mg/L	0.62 NTU	51.0 mV	21.39 ft	200.00 ml/min
2/10/2022 10:05 AM	20:00	6.47 pH	16.60 °C	617.66 µS/cm	1.15 mg/L	0.79 NTU	49.2 mV	21.40 ft	200.00 ml/min
2/10/2022 10:10 AM	25:00	6.47 pH	16.71 °C	616.12 µS/cm	1.10 mg/L	0.42 NTU	45.2 mV	21.40 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2022 11:03:57 AM
Project: Plant Scherer
Operator Name: K. Minkara

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: 20.7 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 29.4 ft** **Pump Intake From TOC: 29.4 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.62 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

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 %	+/- 2	+/- 10	+/- 0.3	
2/10/2022 11:03 AM	00:00	7.77 pH	21.73 °C	504.35 µS/cm	7.20 mg/L		48.7 mV	20.70 ft	160.00 ml/min
2/10/2022 11:08 AM	05:00	6.28 pH	18.60 °C	575.11 µS/cm	1.01 mg/L	2.88 NTU	36.1 mV	21.26 ft	160.00 ml/min
2/10/2022 11:13 AM	10:00	6.27 pH	18.70 °C	578.46 µS/cm	0.69 mg/L	2.71 NTU	32.8 mV	21.32 ft	160.00 ml/min
2/10/2022 11:18 AM	15:00	6.26 pH	18.52 °C	580.69 µS/cm	0.48 mg/L	1.15 NTU	31.8 mV	21.32 ft	160.00 ml/min
2/10/2022 11:23 AM	20:00	6.25 pH	18.79 °C	580.99 µS/cm	0.31 mg/L	1.19 NTU	30.1 mV	21.32 ft	160.00 ml/min

Samples

Sample ID:	Description:
SGWC-9	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2022 8:41:16 AM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: SGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.6 ft** **Total Depth: 32.6 ft** **Initial Depth to Water: 17.78 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 24.2 ft** **Pump Intake From TOC: 24.2 ft** **Estimated Total Volume Pumped: 4325 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 95 ml/min** **Final Draw Down: 0.84 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear/ 35

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	+/- 2	+/- 10	+/- 0.3	
2/11/2022 8:41 AM	00:00	5.78 pH	12.67 °C	87.30 µS/cm	8.63 mg/L	0.55 NTU	159.2 mV	18.45 ft	200.00 ml/min
2/11/2022 8:46 AM	05:00	5.14 pH	15.58 °C	69.20 µS/cm	1.20 mg/L	1.62 NTU	143.8 mV	18.60 ft	95.00 ml/min
2/11/2022 8:51 AM	10:00	5.12 pH	15.21 °C	67.46 µS/cm	0.65 mg/L	1.24 NTU	138.2 mV	18.62 ft	95.00 ml/min
2/11/2022 8:56 AM	15:00	5.12 pH	15.04 °C	67.07 µS/cm	0.50 mg/L	0.83 NTU	135.0 mV	18.60 ft	95.00 ml/min
2/11/2022 9:01 AM	20:00	5.13 pH	14.95 °C	66.30 µS/cm	0.49 mg/L	1.38 NTU	132.3 mV	18.52 ft	95.00 ml/min
2/11/2022 9:06 AM	25:00	5.12 pH	15.61 °C	67.25 µS/cm	0.47 mg/L	0.88 NTU	132.2 mV	18.63 ft	95.00 ml/min
2/11/2022 9:11 AM	30:00	5.13 pH	15.76 °C	65.84 µS/cm	0.47 mg/L	0.99 NTU	129.4 mV	18.60 ft	95.00 ml/min
2/11/2022 9:16 AM	35:00	5.13 pH	15.54 °C	65.92 µS/cm	0.41 mg/L	0.89 NTU	127.4 mV	18.58 ft	95.00 ml/min
2/11/2022 9:21 AM	40:00	5.13 pH	15.67 °C	66.75 µS/cm	0.40 mg/L	0.85 NTU	126.3 mV	18.62 ft	95.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2022 12:10:12 PM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: SGWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.7 ft** **Total Depth: 42.7 ft** **Initial Depth to Water: 19.11 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 37 ft** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 5300 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 105 ml/min** **Final Draw Down: 1.39 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear/ 61

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	+/- 2	+/- 10	+/- 0.3	
2/10/2022 12:10 PM	00:00	5.67 pH	17.63 °C	59.96 µS/cm	4.41 mg/L	1.21 NTU	62.8 mV	19.83 ft	125.00 ml/min
2/10/2022 12:15 PM	05:00	5.21 pH	18.04 °C	63.62 µS/cm	2.47 mg/L	1.49 NTU	77.5 mV	19.99 ft	125.00 ml/min
2/10/2022 12:20 PM	10:00	5.20 pH	17.87 °C	63.64 µS/cm	1.84 mg/L	0.77 NTU	78.2 mV	20.10 ft	95.00 ml/min
2/10/2022 12:25 PM	15:00	5.16 pH	18.10 °C	63.67 µS/cm	2.22 mg/L	0.78 NTU	101.2 mV	20.02 ft	95.00 ml/min
2/10/2022 12:30 PM	20:00	5.05 pH	17.99 °C	63.57 µS/cm	1.50 mg/L	0.75 NTU	90.2 mV	20.20 ft	95.00 ml/min
2/10/2022 12:35 PM	25:00	5.14 pH	18.31 °C	64.00 µS/cm	0.94 mg/L	0.64 NTU	85.6 mV	20.28 ft	105.00 ml/min
2/10/2022 12:40 PM	30:00	5.11 pH	18.25 °C	63.49 µS/cm	0.95 mg/L	0.71 NTU	87.5 mV	20.35 ft	105.00 ml/min
2/10/2022 12:45 PM	35:00	5.10 pH	18.38 °C	64.65 µS/cm	1.91 mg/L	0.54 NTU	91.9 mV	20.40 ft	105.00 ml/min
2/10/2022 12:50 PM	40:00	5.12 pH	18.26 °C	64.13 µS/cm	0.54 mg/L	0.40 NTU	88.4 mV	20.42 ft	105.00 ml/min
2/10/2022 12:55 PM	45:00	5.11 pH	18.56 °C	64.07 µS/cm	0.59 mg/L	0.39 NTU	89.3 mV	20.42 ft	105.00 ml/min
2/10/2022 1:00 PM	50:00	5.11 pH	18.40 °C	64.54 µS/cm	0.43 mg/L	0.44 NTU	88.5 mV	20.50 ft	105.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/10/2022 2:30:19 PM
Project: Plant Scherer
Operator Name: Duane Fulton

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: 15.25 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 42 ft** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 90 ml/min** **Final Draw Down: 1.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear/ 65

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	+/- 2	+/- 10	+/- 0.3	
2/10/2022 2:30 PM	00:00	6.64 pH	20.22 °C	276.91 µS/cm	8.03 mg/L	2.16 NTU	64.4 mV	15.58 ft	100.00 ml/min
2/10/2022 2:35 PM	05:00	6.51 pH	18.70 °C	314.10 µS/cm	2.62 mg/L	1.58 NTU	-71.8 mV	15.65 ft	90.00 ml/min
2/10/2022 2:40 PM	10:00	6.19 pH	19.15 °C	322.33 µS/cm	0.90 mg/L	2.57 NTU	-71.6 mV	15.95 ft	65.00 ml/min
2/10/2022 2:45 PM	15:00	6.16 pH	19.54 °C	319.08 µS/cm	0.76 mg/L	2.05 NTU	-67.2 mV	16.02 ft	60.00 ml/min
2/10/2022 2:50 PM	20:00	6.14 pH	19.28 °C	318.42 µS/cm	0.43 mg/L	1.98 NTU	-85.9 mV	16.29 ft	65.00 ml/min
2/10/2022 2:55 PM	25:00	6.16 pH	19.34 °C	316.51 µS/cm	0.33 mg/L	2.39 NTU	-119.3 mV	16.35 ft	80.00 ml/min
2/10/2022 3:00 PM	30:00	6.17 pH	19.37 °C	316.06 µS/cm	0.30 mg/L	1.66 NTU	-112.8 mV	16.50 ft	90.00 ml/min
2/10/2022 3:05 PM	35:00	6.18 pH	19.49 °C	313.11 µS/cm	0.32 mg/L	1.72 NTU	-139.5 mV	16.58 ft	90.00 ml/min
2/10/2022 3:10 PM	40:00	6.18 pH	19.64 °C	312.84 µS/cm	0.25 mg/L	1.52 NTU	-124.8 mV	16.55 ft	90.00 ml/min
2/10/2022 3:15 PM	45:00	6.19 pH	19.73 °C	311.98 µS/cm	0.23 mg/L	1.55 NTU	-153.1 mV	16.58 ft	90.00 ml/min
2/10/2022 3:20 PM	50:00	6.20 pH	19.60 °C	313.04 µS/cm	0.46 mg/L	1.81 NTU	-152.4 mV	16.65 ft	90.00 ml/min
2/10/2022 3:25 PM	55:00	6.20 pH	19.55 °C	312.80 µS/cm	0.82 mg/L	1.66 NTU	-150.3 mV	16.70 ft	90.00 ml/min
2/10/2022 3:30 PM	01:00:00	6.19 pH	19.47 °C	309.82 µS/cm	0.32 mg/L	1.47 NTU	-156.8 mV	16.65 ft	90.00 ml/min

Low-Flow Test Report:

Test Date / Time: 2/11/2022 10:25:00 AM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: SGWC-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.5 ft** **Total Depth: 37.5 ft** **Initial Depth to Water: 4.25 ft**	**Pump Type: QED Dedicated Pump** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 29 ft** **Pump Intake From TOC: 29 ft** **Estimated Total Volume Pumped: 7450 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 185 ml/min** **Final Draw Down: 1.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear/ 51 Deg,

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	+/- 2	+/- 10	+/- 0.3	
2/11/2022 10:25 AM	00:00	6.10 pH	17.28 °C	301.28 µS/cm	6.85 mg/L	4.15 NTU	124.9 mV	4.55 ft	100.00 ml/min
2/11/2022 10:30 AM	05:00	6.02 pH	17.01 °C	310.54 µS/cm	2.31 mg/L	9.17 NTU	92.9 mV	5.35 ft	225.00 ml/min
2/11/2022 10:35 AM	10:00	6.04 pH	16.74 °C	309.93 µS/cm	1.82 mg/L	7.82 NTU	88.7 mV	5.42 ft	225.00 ml/min
2/11/2022 10:40 AM	15:00	6.05 pH	16.93 °C	309.78 µS/cm	1.53 mg/L	5.05 NTU	66.0 mV	5.54 ft	200.00 ml/min
2/11/2022 10:45 AM	20:00	6.01 pH	17.00 °C	310.87 µS/cm	1.42 mg/L	3.97 NTU	68.6 mV	5.54 ft	185.00 ml/min
2/11/2022 10:50 AM	25:00	6.03 pH	17.01 °C	306.12 µS/cm	1.17 mg/L	2.29 NTU	55.5 mV	5.57 ft	185.00 ml/min
2/11/2022 10:55 AM	30:00	6.03 pH	17.00 °C	307.34 µS/cm	1.04 mg/L	1.73 NTU	58.2 mV	5.52 ft	185.00 ml/min
2/11/2022 11:00 AM	35:00	6.02 pH	17.02 °C	308.87 µS/cm	0.97 mg/L	1.66 NTU	51.3 mV	5.53 ft	185.00 ml/min
2/11/2022 11:05 AM	40:00	6.02 pH	17.10 °C	308.70 µS/cm	0.92 mg/L	1.84 NTU	40.4 mV	5.55 ft	185.00 ml/min

Samples

Sample ID:	Description:
SGWC-13	

Low-Flow Test Report:

Test Date / Time: 2/14/2022 10:33:52 AM
Project: Plant Scherer
Operator Name: Duane Fulton

Location Name: SGWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.5 ft** **Total Depth: 38.5 ft** **Initial Depth to Water: 10.43 ft**	**Pump Type: QED Dedicated Pump** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 30.24 ft** **Pump Intake From TOC: 30.24 ft** **Estimated Total Volume Pumped: 9725 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 215 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:

Weather Conditions:
Clear/38

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	+/- 2	+/- 10	+/- 0.3	
2/14/2022 10:33 AM	00:00	7.49 pH	13.91 °C	575.21 µS/cm	6.87 mg/L	1.78 NTU	194.8 mV	10.49 ft	225.00 ml/min
2/14/2022 10:38 AM	05:00	5.86 pH	15.82 °C	529.52 µS/cm	1.55 mg/L	8.23 NTU	158.5 mV	10.49 ft	215.00 ml/min
2/14/2022 10:43 AM	10:00	5.82 pH	16.03 °C	529.76 µS/cm	0.92 mg/L	9.38 NTU	161.2 mV	10.49 ft	215.00 ml/min
2/14/2022 10:48 AM	15:00	5.81 pH	15.98 °C	532.37 µS/cm	0.68 mg/L	9.11 NTU	155.0 mV	10.48 ft	215.00 ml/min
2/14/2022 10:53 AM	20:00	5.79 pH	15.96 °C	494.65 µS/cm	0.56 mg/L	9.03 NTU	149.8 mV	10.49 ft	215.00 ml/min
2/14/2022 10:58 AM	25:00	5.80 pH	16.20 °C	529.65 µS/cm	0.13 mg/L	6.21 NTU	143.5 mV	10.49 ft	215.00 ml/min
2/14/2022 11:03 AM	30:00	5.79 pH	16.10 °C	529.36 µS/cm	0.13 mg/L	6.05 NTU	122.8 mV	10.49 ft	215.00 ml/min
2/14/2022 11:08 AM	35:00	5.79 pH	15.87 °C	533.05 µS/cm	0.15 mg/L	3.34 NTU	116.5 mV	10.49 ft	215.00 ml/min
2/14/2022 11:13 AM	40:00	5.78 pH	15.80 °C	537.52 µS/cm	0.15 mg/L	3.04 NTU	126.2 mV	10.49 ft	215.00 ml/min
2/14/2022 11:18 AM	45:00	5.77 pH	15.71 °C	535.61 µS/cm	0.15 mg/L	2.25 NTU	106.9 mV	10.49 ft	215.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/11/2022 10:26:46 AM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.2 ft** **Total Depth: 48.2 ft** **Initial Depth to Water: 27.49 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 39.65 ft** **Pump Intake From TOC: 39.65 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

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 %	+/- 2	+/- 10	+/- 0.3	
2/11/2022 10:26 AM	00:00	6.99 pH	15.12 °C	473.29 µS/cm	9.41 mg/L	1.20 NTU	56.4 mV	27.49 ft	300.00 ml/min
2/11/2022 10:31 AM	05:00	4.60 pH	17.41 °C	503.96 µS/cm	1.65 mg/L	6.55 NTU	74.6 mV	27.60 ft	300.00 ml/min
2/11/2022 10:36 AM	10:00	4.59 pH	17.58 °C	501.25 µS/cm	0.66 mg/L	11.70 NTU	83.8 mV	27.60 ft	300.00 ml/min
2/11/2022 10:41 AM	15:00	4.58 pH	17.63 °C	500.48 µS/cm	0.53 mg/L	8.69 NTU	91.6 mV	27.60 ft	300.00 ml/min
2/11/2022 10:46 AM	20:00	4.58 pH	17.90 °C	499.09 µS/cm	0.50 mg/L	6.29 NTU	98.4 mV	27.60 ft	300.00 ml/min
2/11/2022 10:51 AM	25:00	4.57 pH	17.90 °C	500.48 µS/cm	0.49 mg/L	5.33 NTU	101.8 mV	27.60 ft	300.00 ml/min
2/11/2022 10:56 AM	30:00	4.58 pH	17.82 °C	501.03 µS/cm	0.49 mg/L	4.15 NTU	108.3 mV	27.60 ft	300.00 ml/min
2/11/2022 11:01 AM	35:00	4.59 pH	17.80 °C	501.42 µS/cm	0.49 mg/L	3.84 NTU	117.1 mV	27.60 ft	300.00 ml/min
2/11/2022 11:06 AM	40:00	4.59 pH	17.94 °C	500.28 µS/cm	0.48 mg/L	3.50 NTU	130.7 mV	27.60 ft	300.00 ml/min

Samples

Sample ID:	Description:
SGWC-15	Extra radium

Low-Flow Test Report:

Test Date / Time: 2/10/2022 2:48:29 PM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.3 ft** **Total Depth: 43.3 ft** **Initial Depth to Water: 22.69 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 34.62 ft** **Pump Intake From TOC: 34.62 ft** **Estimated Total Volume Pumped: 13800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

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 %	+/- 2	+/- 10	+/- 0.3	
2/10/2022 2:48 PM	00:00	7.65 pH	26.29 °C	126.15 µS/cm	7.17 mg/L		59.5 mV	22.69 ft	220.00 ml/min
2/10/2022 2:53 PM	05:00	5.24 pH	19.44 °C	156.59 µS/cm	3.38 mg/L	17.90 NTU	55.4 mV	22.80 ft	220.00 ml/min
2/10/2022 2:58 PM	10:00	5.19 pH	19.77 °C	159.38 µS/cm	2.90 mg/L	26.10 NTU	55.2 mV	22.80 ft	220.00 ml/min
2/10/2022 3:03 PM	15:00	5.18 pH	19.98 °C	159.35 µS/cm	2.58 mg/L	17.80 NTU	56.0 mV	22.80 ft	140.00 ml/min
2/10/2022 3:08 PM	20:00	5.19 pH	19.81 °C	160.28 µS/cm	2.57 mg/L	16.70 NTU	56.9 mV	22.80 ft	140.00 ml/min
2/10/2022 3:13 PM	25:00	5.21 pH	19.55 °C	161.82 µS/cm	3.16 mg/L	15.40 NTU	59.5 mV	22.80 ft	140.00 ml/min
2/10/2022 3:18 PM	30:00	5.20 pH	19.53 °C	161.71 µS/cm	3.18 mg/L	12.50 NTU	61.8 mV	22.80 ft	140.00 ml/min
2/10/2022 3:23 PM	35:00	5.18 pH	19.41 °C	161.07 µS/cm	3.03 mg/L	10.10 NTU	64.8 mV	22.80 ft	140.00 ml/min
2/10/2022 3:28 PM	40:00	5.19 pH	19.62 °C	163.02 µS/cm	3.10 mg/L	8.99 NTU	65.1 mV	22.80 ft	140.00 ml/min
2/10/2022 3:33 PM	45:00	5.22 pH	19.50 °C	161.78 µS/cm	3.15 mg/L	7.53 NTU	66.7 mV	22.80 ft	140.00 ml/min
2/10/2022 3:38 PM	50:00	5.20 pH	19.43 °C	162.22 µS/cm	3.21 mg/L	5.56 NTU	71.2 mV	22.80 ft	140.00 ml/min
2/10/2022 3:43 PM	55:00	5.21 pH	19.46 °C	161.90 µS/cm	3.44 mg/L	6.71 NTU	71.3 mV	22.80 ft	140.00 ml/min
2/10/2022 3:48 PM	01:00:00	5.16 pH	19.50 °C	161.16 µS/cm	3.15 mg/L	5.71 NTU	75.2 mV	22.80 ft	140.00 ml/min
2/10/2022 3:53 PM	01:05:00	5.19 pH	19.41 °C	160.72 µS/cm	3.19 mg/L	5.63 NTU	78.5 mV	22.80 ft	140.00 ml/min
2/10/2022 3:58 PM	01:10:00	5.21 pH	19.28 °C	161.27 µS/cm	3.12 mg/L	4.72 NTU	76.5 mV	22.80 ft	140.00 ml/min

2/10/2022 4:03 PM	01:15:00	5.25 pH	19.20 °C	161.79 µS/cm	3.23 mg/L	4.61 NTU	78.3 mV	22.80 ft	140.00 ml/min
2/10/2022 4:08 PM	01:20:00	5.16 pH	19.15 °C	161.67 µS/cm	3.12 mg/L	3.45 NTU	82.0 mV	22.80 ft	140.00 ml/min
2/10/2022 4:13 PM	01:25:00	5.20 pH	19.26 °C	161.92 µS/cm	3.19 mg/L	3.47 NTU	81.8 mV	22.80 ft	140.00 ml/min
2/10/2022 4:18 PM	01:30:00	5.21 pH	19.17 °C	162.10 µS/cm	3.25 mg/L	3.80 NTU	82.8 mV	22.80 ft	140.00 ml/min

Samples

Sample ID:	Description:
SGWC-16	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2022 9:32:12 AM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.6 ft** **Total Depth: 24.6 ft** **Initial Depth to Water: 1.92 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 19.24 ft** **Pump Intake From TOC: 19.24 ft** **Estimated Total Volume Pumped: 12250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

Test Notes:
Began purging at 832 with variable flow rates. Purged 10.75L and achieved stabilization, iPad died. Replaced iPad and collected 3 extra readings. See physical purge form for additional info

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/11/2022 9:32 AM	00:00	6.39 pH	13.64 °C	614.28 µS/cm	0.55 mg/L	4.15 NTU	14.8 mV	2.35 ft	150.00 ml/min
2/11/2022 9:37 AM	05:00	6.39 pH	13.58 °C	608.47 µS/cm	0.41 mg/L	2.77 NTU	12.4 mV	2.35 ft	150.00 ml/min
2/11/2022 9:42 AM	10:00	6.39 pH	13.68 °C	607.75 µS/cm	0.39 mg/L	2.84 NTU	12.2 mV	2.35 ft	150.00 ml/min

Samples

Sample ID:	Description:
SGWC-17	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2022 12:15:41 PM
Project: Plant Scherer
Operator Name: Joe Booth

Location Name: SGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.6 ft** **Total Depth: 47.6 ft** **Initial Depth to Water: 40.52 ft**	**Pump Type: SamplePro Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 46 ft** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 32400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 10	+/- 1000 %	+/- 0.3	
2/10/2022 12:15 PM	00:00	5.76 pH	26.18 °C	1,757.2 µS/cm	3.77 mg/L	822.00 NTU	79.0 mV	40.52 ft	180.00 ml/min
2/10/2022 12:19 PM	04:00	5.08 pH	21.36 °C	1,854.3 µS/cm	2.56 mg/L	500.00 NTU	90.2 mV	40.68 ft	180.00 ml/min
2/10/2022 12:23 PM	08:00	5.01 pH	20.93 °C	1,863.4 µS/cm	2.45 mg/L	500.00 NTU	94.5 mV	40.68 ft	180.00 ml/min
2/10/2022 12:27 PM	12:00	4.98 pH	20.93 °C	1,845.7 µS/cm	2.32 mg/L	300.00 NTU	96.0 mV	40.68 ft	180.00 ml/min
2/10/2022 12:31 PM	16:00	4.95 pH	20.90 °C	1,827.2 µS/cm	2.27 mg/L	300.00 NTU	96.7 mV	40.68 ft	180.00 ml/min
2/10/2022 12:35 PM	20:00	4.92 pH	20.91 °C	1,823.9 µS/cm	2.25 mg/L	125.00 NTU	97.1 mV	40.68 ft	180.00 ml/min
2/10/2022 12:39 PM	24:00	4.91 pH	20.96 °C	1,822.4 µS/cm	2.25 mg/L	130.00 NTU	97.5 mV	40.68 ft	180.00 ml/min
2/10/2022 12:43 PM	28:00	4.90 pH	20.95 °C	1,822.6 µS/cm	2.23 mg/L	31.30 NTU	97.9 mV	40.68 ft	180.00 ml/min
2/10/2022 12:47 PM	32:00	4.89 pH	20.87 °C	1,824.2 µS/cm	2.23 mg/L	31.30 NTU	98.5 mV	40.68 ft	180.00 ml/min
2/10/2022 12:51 PM	36:00	4.89 pH	20.94 °C	1,821.9 µS/cm	2.23 mg/L	28.30 NTU	99.0 mV	40.68 ft	180.00 ml/min
2/10/2022 12:55 PM	40:00	4.88 pH	20.93 °C	1,829.5 µS/cm	2.24 mg/L	25.60 NTU	99.6 mV	40.68 ft	180.00 ml/min
2/10/2022 12:59 PM	44:00	4.88 pH	20.95 °C	1,824.5 µS/cm	2.22 mg/L	26.40 NTU	100.5 mV	40.68 ft	180.00 ml/min
2/10/2022 1:03 PM	48:00	4.88 pH	21.00 °C	1,821.1 µS/cm	2.22 mg/L	25.50 NTU	101.1 mV	40.68 ft	180.00 ml/min
2/10/2022 1:07 PM	52:00	4.88 pH	21.04 °C	1,821.7 µS/cm	2.22 mg/L	20.90 NTU	101.7 mV	40.68 ft	180.00 ml/min

2/10/2022 1:11 PM	56:00	4.87 pH	21.07 °C	1,822.9 µS/cm	2.21 mg/L	19.80 NTU	102.3 mV	40.68 ft	180.00 ml/min
2/10/2022 1:15 PM	01:00:00	4.87 pH	20.82 °C	1,834.2 µS/cm	2.22 mg/L	18.90 NTU	103.1 mV	40.68 ft	180.00 ml/min
2/10/2022 1:19 PM	01:04:00	4.87 pH	20.96 °C	1,823.1 µS/cm	2.21 mg/L	17.90 NTU	103.8 mV	40.68 ft	180.00 ml/min
2/10/2022 1:23 PM	01:08:00	4.87 pH	21.04 °C	1,823.5 µS/cm	2.20 mg/L	15.00 NTU	104.5 mV	40.68 ft	180.00 ml/min
2/10/2022 1:27 PM	01:12:00	4.87 pH	21.09 °C	1,817.7 µS/cm	2.21 mg/L	14.30 NTU	105.2 mV	40.68 ft	180.00 ml/min
2/10/2022 1:31 PM	01:16:00	4.87 pH	21.07 °C	1,821.1 µS/cm	2.20 mg/L	14.30 NTU	105.9 mV	40.68 ft	180.00 ml/min
2/10/2022 1:35 PM	01:20:00	4.87 pH	21.04 °C	1,813.0 µS/cm	2.20 mg/L	14.10 NTU	106.7 mV	40.68 ft	180.00 ml/min
2/10/2022 1:39 PM	01:24:00	4.87 pH	21.00 °C	1,837.4 µS/cm	2.20 mg/L	12.80 NTU	107.5 mV	40.68 ft	180.00 ml/min
2/10/2022 1:43 PM	01:28:00	4.87 pH	21.03 °C	1,824.8 µS/cm	2.19 mg/L	9.02 NTU	108.2 mV	40.68 ft	180.00 ml/min
2/10/2022 1:47 PM	01:32:00	4.87 pH	21.09 °C	1,823.1 µS/cm	2.19 mg/L	7.77 NTU	108.9 mV	40.68 ft	180.00 ml/min
2/10/2022 1:51 PM	01:36:00	4.86 pH	21.18 °C	1,827.5 µS/cm	2.19 mg/L	8.51 NTU	109.6 mV	40.68 ft	180.00 ml/min
2/10/2022 1:55 PM	01:40:00	4.86 pH	21.18 °C	1,827.4 µS/cm	2.19 mg/L	7.97 NTU	110.4 mV	40.68 ft	180.00 ml/min
2/10/2022 1:59 PM	01:44:00	4.86 pH	21.13 °C	1,851.3 µS/cm	2.19 mg/L	7.43 NTU	111.1 mV	40.68 ft	180.00 ml/min
2/10/2022 2:03 PM	01:48:00	4.87 pH	21.11 °C	1,827.7 µS/cm	2.19 mg/L	7.21 NTU	111.9 mV	40.68 ft	180.00 ml/min
2/10/2022 2:07 PM	01:52:00	4.86 pH	21.10 °C	1,823.0 µS/cm	2.19 mg/L	6.39 NTU	112.6 mV	40.68 ft	180.00 ml/min
2/10/2022 2:11 PM	01:56:00	4.86 pH	21.13 °C	1,818.5 µS/cm	2.19 mg/L	6.84 NTU	113.3 mV	40.68 ft	180.00 ml/min
2/10/2022 2:15 PM	02:00:00	4.86 pH	21.07 °C	1,819.3 µS/cm	2.20 mg/L	6.68 NTU	114.1 mV	40.68 ft	180.00 ml/min
2/10/2022 2:19 PM	02:04:00	4.86 pH	20.98 °C	1,822.2 µS/cm	2.20 mg/L	5.67 NTU	114.8 mV	40.68 ft	180.00 ml/min
2/10/2022 2:23 PM	02:08:00	4.86 pH	21.09 °C	1,820.3 µS/cm	2.20 mg/L	5.77 NTU	115.5 mV	40.68 ft	180.00 ml/min
2/10/2022 2:27 PM	02:12:00	4.86 pH	21.18 °C	1,817.4 µS/cm	2.19 mg/L	5.65 NTU	116.2 mV	40.68 ft	180.00 ml/min
2/10/2022 2:31 PM	02:16:00	4.86 pH	21.17 °C	1,813.1 µS/cm	2.18 mg/L	5.44 NTU	117.0 mV	40.68 ft	180.00 ml/min
2/10/2022 2:35 PM	02:20:00	4.86 pH	21.13 °C	1,819.4 µS/cm	2.18 mg/L	5.37 NTU	117.7 mV	40.68 ft	180.00 ml/min
2/10/2022 2:39 PM	02:24:00	4.86 pH	21.09 °C	1,828.1 µS/cm	2.19 mg/L	5.26 NTU	118.4 mV	40.68 ft	180.00 ml/min
2/10/2022 2:43 PM	02:28:00	4.86 pH	21.11 °C	1,817.2 µS/cm	2.18 mg/L	5.12 NTU	119.1 mV	40.68 ft	180.00 ml/min
2/10/2022 2:47 PM	02:32:00	4.86 pH	21.13 °C	1,817.6 µS/cm	2.19 mg/L	5.43 NTU	119.8 mV	40.68 ft	180.00 ml/min
2/10/2022 2:51 PM	02:36:00	4.86 pH	21.10 °C	1,835.2 µS/cm	2.18 mg/L	4.65 NTU	120.5 mV	40.68 ft	180.00 ml/min
2/10/2022 2:55 PM	02:40:00	4.86 pH	21.09 °C	1,826.3 µS/cm	2.18 mg/L	4.22 NTU	121.2 mV	40.68 ft	180.00 ml/min
2/10/2022 2:59 PM	02:44:00	4.86 pH	21.11 °C	1,829.6 µS/cm	2.18 mg/L	4.88 NTU	121.9 mV	40.68 ft	180.00 ml/min
2/10/2022 3:03 PM	02:48:00	4.86 pH	21.09 °C	1,820.1 µS/cm	2.17 mg/L	4.88 NTU	122.6 mV	40.68 ft	180.00 ml/min

2/10/2022 3:07 PM	02:52:00	4.86 pH	21.04 °C	1,828.1 µS/cm	2.18 mg/L	4.03 NTU	123.3 mV	40.68 ft	180.00 ml/min
2/10/2022 3:11 PM	02:56:00	4.86 pH	21.17 °C	1,817.1 µS/cm	2.18 mg/L	3.58 NTU	123.9 mV	40.68 ft	180.00 ml/min
2/10/2022 3:15 PM	03:00:00	4.86 pH	21.09 °C	1,816.5 µS/cm	2.18 mg/L	3.85 NTU	124.6 mV	40.68 ft	180.00 ml/min

Samples

Sample ID:	Description:
SGWC-18	Metals, TDS, Inorganics, sulfide, Radium
DUP-3	Metals, TDS, Inorganics, sulfide, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2022 10:46:33 AM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 14.82 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 29 ft** **Pump Intake From TOC: 29 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.35 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/11/2022 10:46 AM	00:00	5.77 pH	19.10 °C	588.49 µS/cm	3.84 mg/L	2.39 NTU	146.4 mV	14.82 ft	200.00 ml/min
2/11/2022 10:51 AM	05:00	5.71 pH	19.17 °C	592.82 µS/cm	3.09 mg/L	1.84 NTU	140.1 mV	16.25 ft	200.00 ml/min
2/11/2022 10:56 AM	10:00	5.64 pH	18.92 °C	600.64 µS/cm	2.78 mg/L	1.27 NTU	140.3 mV	16.04 ft	200.00 ml/min
2/11/2022 11:01 AM	15:00	5.65 pH	19.15 °C	600.59 µS/cm	2.89 mg/L	1.28 NTU	134.6 mV	16.15 ft	200.00 ml/min
2/11/2022 11:06 AM	20:00	5.65 pH	19.19 °C	600.80 µS/cm	2.87 mg/L	0.89 NTU	132.7 mV	16.17 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2022 9:50:24 AM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.9 ft** **Total Depth: 27.9 ft** **Initial Depth to Water: 12.5 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 19.5 ft** **Pump Intake From TOC: 19.5 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/11/2022 9:50 AM	00:00	4.18 pH	19.50 °C	600.60 µS/cm	2.05 mg/L	0.41 NTU	92.1 mV	12.50 ft	200.00 ml/min
2/11/2022 9:55 AM	05:00	4.20 pH	20.26 °C	583.15 µS/cm	1.29 mg/L	0.33 NTU	110.7 mV	14.75 ft	200.00 ml/min
2/11/2022 10:00 AM	10:00	4.21 pH	19.88 °C	587.10 µS/cm	1.32 mg/L	0.26 NTU	122.0 mV	14.72 ft	200.00 ml/min
2/11/2022 10:05 AM	15:00	4.23 pH	19.73 °C	581.34 µS/cm	1.07 mg/L	0.30 NTU	129.9 mV	14.73 ft	200.00 ml/min
2/11/2022 10:10 AM	20:00	4.25 pH	19.85 °C	570.01 µS/cm	0.85 mg/L	0.28 NTU	136.1 mV	14.75 ft	200.00 ml/min
2/11/2022 10:15 AM	25:00	4.27 pH	19.80 °C	564.66 µS/cm	0.78 mg/L	0.27 NTU	141.7 mV	14.75 ft	200.00 ml/min
2/11/2022 10:20 AM	30:00	4.27 pH	19.79 °C	561.13 µS/cm	0.80 mg/L	0.28 NTU	147.2 mV	14.75 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/11/2022 8:37:03 AM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.79 ft** **Total Depth: 27.79 ft** **Initial Depth to Water: 0 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 18 ft** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 14262 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 1.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/11/2022 8:37 AM	00:00	6.36 pH	16.29 °C	504.98 µS/cm	2.13 mg/L	31.50 NTU	74.6 mV	0.00 ft	200.00 ml/min
2/11/2022 8:42 AM	05:00	6.32 pH	16.21 °C	513.06 µS/cm	2.26 mg/L	21.40 NTU	67.2 mV	0.50 ft	200.00 ml/min
2/11/2022 8:47 AM	10:00	6.30 pH	17.58 °C	511.41 µS/cm	1.73 mg/L	8.81 NTU	63.7 mV	0.65 ft	250.00 ml/min
2/11/2022 8:50 AM	13:15	6.31 pH	17.72 °C	511.00 µS/cm	1.49 mg/L	8.81 NTU	62.4 mV	0.65 ft	250.00 ml/min
2/11/2022 8:51 AM	14:03	6.31 pH	17.76 °C	511.54 µS/cm	1.64 mg/L	8.81 NTU	62.4 mV	0.65 ft	250.00 ml/min
2/11/2022 8:56 AM	19:03	6.31 pH	17.95 °C	480.71 µS/cm	1.52 mg/L	6.10 NTU	60.7 mV	0.75 ft	250.00 ml/min
2/11/2022 9:01 AM	24:03	6.31 pH	17.84 °C	509.61 µS/cm	1.38 mg/L	8.75 NTU	59.8 mV	0.80 ft	250.00 ml/min
2/11/2022 9:06 AM	29:03	6.31 pH	18.61 °C	513.73 µS/cm	0.85 mg/L	18.10 NTU	58.2 mV	1.10 ft	300.00 ml/min
2/11/2022 9:11 AM	34:03	6.30 pH	18.88 °C	508.80 µS/cm	0.80 mg/L	16.20 NTU	57.9 mV	1.15 ft	300.00 ml/min
2/11/2022 9:16 AM	39:03	6.30 pH	18.93 °C	509.24 µS/cm	0.40 mg/L	13.00 NTU	58.2 mV	1.17 ft	300.00 ml/min
2/11/2022 9:21 AM	44:03	6.31 pH	18.96 °C	508.39 µS/cm	0.80 mg/L	8.73 NTU	58.5 mV	1.17 ft	300.00 ml/min
2/11/2022 9:26 AM	49:03	6.31 pH	18.90 °C	508.42 µS/cm	0.74 mg/L	5.29 NTU	59.3 mV	1.19 ft	300.00 ml/min
2/11/2022 9:31 AM	54:03	6.31 pH	18.92 °C	506.60 µS/cm	0.62 mg/L	4.41 NTU	60.8 mV	1.20 ft	300.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2022 10:11:19 AM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 26.09 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 44.2 ft** **Pump Intake From TOC: 44.2 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/10/2022 10:11 AM	00:00	6.22 pH	16.06 °C	351.81 µS/cm	4.56 mg/L	12.00 NTU	66.5 mV	26.09 ft	200.00 ml/min
2/10/2022 10:16 AM	05:00	5.95 pH	15.42 °C	364.30 µS/cm	3.16 mg/L	2.31 NTU	64.9 mV	26.19 ft	200.00 ml/min
2/10/2022 10:21 AM	10:00	5.83 pH	15.48 °C	366.33 µS/cm	2.31 mg/L	1.99 NTU	67.9 mV	26.19 ft	200.00 ml/min
2/10/2022 10:26 AM	15:00	5.78 pH	15.57 °C	368.10 µS/cm	1.66 mg/L	1.19 NTU	69.9 mV	26.21 ft	200.00 ml/min
2/10/2022 10:31 AM	20:00	5.77 pH	15.84 °C	368.45 µS/cm	1.54 mg/L	1.03 NTU	71.2 mV	26.22 ft	200.00 ml/min
2/10/2022 10:36 AM	25:00	5.77 pH	16.10 °C	367.45 µS/cm	1.39 mg/L	0.97 NTU	72.6 mV	26.23 ft	200.00 ml/min
2/10/2022 10:41 AM	30:00	5.77 pH	16.34 °C	366.29 µS/cm	1.36 mg/L	0.79 NTU	73.4 mV	26.23 ft	200.00 ml/min
2/10/2022 10:46 AM	35:00	5.78 pH	16.58 °C	366.28 µS/cm	1.31 mg/L	0.55 NTU	73.6 mV	26.24 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2022 9:20:23 AM
Project: Plant Scherer
Operator Name: C. Tidwell

Location Name: SGWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 30 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 44.25 ft** **Pump Intake From TOC: 44.25 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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 %	+/- 5	+/- 10	+/- 5	
2/10/2022 9:20 AM	00:00	6.48 pH	15.43 °C	300.29 µS/cm	4.89 mg/L	10.10 NTU	97.8 mV	30.00 ft	200.00 ml/min
2/10/2022 9:25 AM	05:00	6.17 pH	16.33 °C	308.38 µS/cm	2.84 mg/L	6.71 NTU	87.3 mV	30.08 ft	200.00 ml/min
2/10/2022 9:30 AM	10:00	6.12 pH	16.64 °C	306.33 µS/cm	2.65 mg/L	3.89 NTU	82.9 mV	30.09 ft	200.00 ml/min
2/10/2022 9:35 AM	15:00	6.12 pH	16.78 °C	309.14 µS/cm	2.57 mg/L	2.05 NTU	79.0 mV	31.00 ft	200.00 ml/min
2/10/2022 9:40 AM	20:00	6.13 pH	16.98 °C	307.71 µS/cm	2.58 mg/L	1.91 NTU	79.0 mV	31.00 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2022 1:17:18 PM
Project: Plant Scherer
Operator Name: K. Minkara

Location Name: SGWA-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 12.87 ft**	**Pump Type: QED well wizard** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 34.8 ft** **Pump Intake From TOC: 34.8 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.53 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850767**

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 %	+/- 2	+/- 10	+/- 0.3	
2/10/2022 1:17 PM	00:00	7.54 pH	25.95 °C	136.56 µS/cm	7.80 mg/L		24.4 mV	12.87 ft	200.00 ml/min
2/10/2022 1:22 PM	05:00	6.39 pH	19.58 °C	156.60 µS/cm	1.92 mg/L	5.89 NTU	31.8 mV	13.40 ft	200.00 ml/min
2/10/2022 1:27 PM	10:00	6.39 pH	19.55 °C	157.21 µS/cm	1.66 mg/L	3.30 NTU	32.2 mV	13.40 ft	200.00 ml/min
2/10/2022 1:32 PM	15:00	6.38 pH	19.41 °C	158.33 µS/cm	1.29 mg/L	2.68 NTU	32.8 mV	13.40 ft	200.00 ml/min
2/10/2022 1:37 PM	20:00	6.38 pH	19.33 °C	158.35 µS/cm	1.22 mg/L	2.48 NTU	33.5 mV	13.40 ft	200.00 ml/min
2/10/2022 1:42 PM	25:00	6.38 pH	19.37 °C	158.75 µS/cm	1.22 mg/L	2.50 NTU	33.8 mV	13.40 ft	200.00 ml/min

Samples

Sample ID:	Description:
SGWA-24	

Low-Flow Test Report:

Test Date / Time: 2/9/2022 2:33:06 PM
Project: Plant Scherer
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: 25.16 ft**	**Pump Type: QED Dedicated** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 39.75 ft** **Pump Intake From TOC: 39.75 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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	+/- 5	+/- 10	+/- 5	
2/9/2022 2:33 PM	00:00	6.30 pH	18.74 °C	112.35 µS/cm	2.90 mg/L	2.93 NTU	72.4 mV	25.16 ft	200.00 ml/min
2/9/2022 2:38 PM	05:00	6.25 pH	18.74 °C	113.06 µS/cm	1.92 mg/L	3.54 NTU	71.4 mV	25.39 ft	200.00 ml/min
2/9/2022 2:43 PM	10:00	6.14 pH	18.79 °C	112.15 µS/cm	1.77 mg/L	3.94 NTU	74.2 mV	25.39 ft	200.00 ml/min
2/9/2022 2:48 PM	15:00	6.21 pH	18.83 °C	106.17 µS/cm	1.52 mg/L	2.96 NTU	72.0 mV	25.41 ft	200.00 ml/min
2/9/2022 2:53 PM	20:00	6.21 pH	18.68 °C	112.69 µS/cm	1.42 mg/L	2.94 NTU	71.7 mV	25.42 ft	200.00 ml/min
2/9/2022 2:58 PM	25:00	6.22 pH	18.61 °C	111.63 µS/cm	1.28 mg/L	2.66 NTU	71.5 mV	25.44 ft	200.00 ml/min
2/9/2022 3:03 PM	30:00	6.17 pH	18.65 °C	112.05 µS/cm	1.28 mg/L	2.49 NTU	73.9 mV	25.45 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/8/2022 3:40:13 PM
Project: Plant Scherer
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: 38.27 ft**	**Pump Type: QED Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 53 ft** **Pump Intake From TOC: 53 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.7 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

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	+/- 5	+/- 10	+/- 5	
2/8/2022 3:40 PM	00:00	4.75 pH	17.43 °C	37.61 µS/cm	1.95 mg/L	20.50 NTU	62.5 mV	38.27 ft	200.00 ml/min
2/8/2022 3:45 PM	05:00	4.77 pH	17.41 °C	37.29 µS/cm	1.80 mg/L	20.10 NTU	59.3 mV	39.95 ft	200.00 ml/min
2/8/2022 3:50 PM	10:00	4.85 pH	17.36 °C	39.17 µS/cm	1.66 mg/L	22.60 NTU	59.3 mV	39.96 ft	200.00 ml/min
2/8/2022 3:55 PM	15:00	4.90 pH	17.18 °C	39.84 µS/cm	1.56 mg/L	17.50 NTU	60.4 mV	39.95 ft	200.00 ml/min
2/8/2022 4:00 PM	20:00	4.97 pH	17.14 °C	41.47 µS/cm	1.52 mg/L	14.30 NTU	63.0 mV	39.97 ft	200.00 ml/min
2/8/2022 4:05 PM	25:00	4.96 pH	17.38 °C	40.54 µS/cm	1.51 mg/L	10.30 NTU	65.1 mV	39.97 ft	200.00 ml/min
2/8/2022 4:10 PM	30:00	4.95 pH	17.45 °C	40.01 µS/cm	1.52 mg/L	8.74 NTU	67.8 mV	39.97 ft	200.00 ml/min
2/8/2022 4:15 PM	35:00	4.93 pH	17.48 °C	39.24 µS/cm	1.53 mg/L	7.73 NTU	71.6 mV	39.97 ft	200.00 ml/min
2/8/2022 4:20 PM	40:00	4.90 pH	17.45 °C	38.40 µS/cm	1.55 mg/L	6.98 NTU	74.9 mV	39.97 ft	200.00 ml/min
2/8/2022 4:25 PM	45:00	4.88 pH	17.71 °C	37.46 µS/cm	1.55 mg/L	5.24 NTU	77.5 mV	39.97 ft	200.00 ml/min
2/8/2022 4:30 PM	50:00	4.86 pH	17.54 °C	37.13 µS/cm	1.57 mg/L	4.32 NTU	80.8 mV	39.97 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2022 3:50:17 PM
Project: Plant Scherer
Operator Name: Jude Waguespack

Location Name: PZ-25I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 120.9 ft** **Total Depth: 130.9 ft** **Initial Depth to Water: 38.09 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Tubing Inner Diameter: 0.170 in** **Tubing Length: 125 ft** **Pump Intake From TOC: 125 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.47 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

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	+/- 2	+/- 10	+/- 0.3	
2/8/2022 3:50 PM	00:00	9.98 pH	17.26 °C	128.23 µS/cm	5.82 mg/L	41.00 NTU	93.7 mV	38.09 ft	100.00 ml/min
2/8/2022 3:55 PM	05:00	7.26 pH	17.14 °C	232.36 µS/cm	1.22 mg/L	17.50 NTU	-48.7 mV	38.49 ft	100.00 ml/min
2/8/2022 4:00 PM	10:00	6.82 pH	17.16 °C	254.09 µS/cm	0.65 mg/L	10.30 NTU	-53.2 mV	38.49 ft	100.00 ml/min
2/8/2022 4:05 PM	15:00	6.73 pH	17.14 °C	251.53 µS/cm	0.51 mg/L	6.84 NTU	-31.1 mV	38.53 ft	100.00 ml/min
2/8/2022 4:10 PM	20:00	6.67 pH	17.28 °C	243.92 µS/cm	0.44 mg/L	4.37 NTU	-23.9 mV	38.53 ft	100.00 ml/min
2/8/2022 4:15 PM	25:00	6.66 pH	17.28 °C	237.29 µS/cm	0.41 mg/L	4.64 NTU	-24.3 mV	38.53 ft	100.00 ml/min
2/8/2022 4:20 PM	30:00	6.64 pH	17.19 °C	233.29 µS/cm	0.38 mg/L	3.16 NTU	-22.1 mV	38.56 ft	100.00 ml/min

Samples

Sample ID:	Description:
PZ-25I	

APPENDIX A

Instrument Calibration Forms February 2022

Daily Calibration Log

Project Plant Scherer ***Incude daily mid-day pH check***
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

			Date:	02/08/22		02/09/22	
			Time:	14:37	—	07:45	15:50
Parameter	**Units**	**Standard**	**SmarTROLL SN 728423 iPad # ____**	**Mid-Day pH**	**SmarTROLL SN 728423 iPad # ____**	**Mid-Day pH**
DO	% saturation	100	99.75	-------	100.1	-------
Conductivity	us/cm	4490	3,721.9	-------	4679.3	-------
pH	S.U.	4.00	4.02	—	3.97	4.12
pH	S.U.	7.00	7.07	—	7.03	7.13
pH	S.U.	10.00	9.98	—	9.96	10.14
ORP	mV	228.00	232.2	-------	232	-------
			~~HACH~~	~~HACH~~	~~HACH~~	~~HACH~~
Turbidity	**Units**	**Standard**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**
	NTU	~~0.0~~ 20	20.4	—	19.7	21.1
	NTU	~~1.0~~ 100	99.0	—	97.4	100.1
	NTU	~~10.0~~ 800	806	—	806	799

			Date:	02/10/22		02/11/22	
			Time:	07:10	14:10	07:15	14:00
Parameter	**Units**	**Standard**	**SmarTROLL SN 850751 iPad # 110**	**Mid-Day pH**	**SmarTROLL SN 850751 iPad # 110**	**Mid-Day pH**
DO	% saturation	100	103.1	-------	97.56	-------
Conductivity	us/cm	4490	4,409.3	-------	4507.1	-------
pH	S.U.	4.00	3.87	3.91	3.97	4.02
pH	S.U.	7.00	6.91	7.09	7.05	7.05
pH	S.U.	10.00	10.10	10.10	10.10	10.01
ORP	mV	228.00	222.6	-------	224.1	-------
			~~HACH~~	~~HACH~~	~~HACH~~	~~HACH~~
Turbidity	**Units**	**Standard**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**	**~~LaMotte SN~~ 13110C029655**
	NTU	~~0.0~~ 20	20.4	21.1	20.5	19.7
	NTU	~~1.0~~ 100	101	107.7	102	99.1
	NTU	~~10.0~~ 800	812	819	768	808

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February 2022

Daily Calibration Log

GL166235021-Y9-100.02
GL166235021-01-200.02

Project Plant Scherer ***Incude daily mid-day pH check***
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

			Date:	2/8/2022		2/9/22	
			Time:	14:25		09:47	
Parameter	**Units**	**Standard**	**SmarTROLL SN 851413 iPad # 80**	**Mid-Day pH**	**SmarTROLL SN 851413 iPad # 80**	**Mid-Day pH**
DO	% saturation	100	99.4	-------	97.40	-------
Conductivity	us/cm	4490	4485.00	-------	4828.4	-------
pH	S.U.	4.00	4.01	N/A	3.84	4.03
pH	S.U.	7.00	7.03	N/A	7.00	6.99
pH	S.U.	10.00	10.08	N/A	10.07	10.03
ORP	mV	228.00	247.9	-------	249.7	-------

	Units	**Standard**	**LaMotte SN 11080C011670**	**LaMotte SN 11080C011670**	**LaMotte SN**	**LaMotte SN**
Turbidity	NTU	~~0.0~~ 100	103	103		
	NTU	~~1.0~~ 20	21.2	19.7		
	NTU	10.0	10.7	9.68		

			Date:	2/10/22		2/11/22	
			Time:	08:00	N/A	08:00	
Parameter	**Units**	**Standard**	**SmarTROLL SN 85143 iPad # 80**	**Mid-Day pH**	**SmarTROLL SN 85143 iPad #**	**Mid-Day pH**
DO	% saturation	100	102.1	-------	99.05	-------
Conductivity	us/cm	4490	4832.0	-------	4486.2	-------
pH	S.U.	4.00	4.00	N/A	4.02	
pH	S.U.	7.00	7.07	N/A	7.06	
pH	S.U.	10.00	10.12	N/A	10.07	
ORP	mV	228.00	247.0	-------	246.4	-------

	Units	**Standard**	**LaMotte SN 11080C011670**	**LaMotte SN 11080C011670**	**LaMotte SN**	**LaMotte SN**
Turbidity	~~NTU~~ 100	~~0.0~~ 100	99	102		
	~~NTU~~ 20	~~1.0~~ 20	19.1	19.8		
	NTU	10.0	9.48	10.5		

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February 2022

Daily Calibration Log

GL166235021-Y9-100.02
GL166235021-01-200.02

Incude daily mid-day pH check

Project Plant Scherer
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

			Date:	02/14/22		02/15/22	
			Time:	07:30	14:15	07:30	15:30
Parameter	**Units**	**Standard**	**SmarTROLL SN 850751 iPad # 110**	**Mid-Day pH**	**SmarTROLL SN 850751 iPad # 110**	**Mid-Day pH**
DO	% saturation	100	100.51	-------	101.4	-------
Conductivity	us/cm	4490	4,354.4	-------	4557.5	-------
pH	S.U.	4.00	4.02	4.05	3.98	4.07
pH	S.U.	7.00	7.05	7.03	7.02	7.10
pH	S.U.	10.00	10.07	10.05	10.10	10.05
ORP	mV	228.00	222	-------	237.6	-------

Turbidity	**Units**	**Standard**	~~HACH~~ ~~LaMotte SN~~	~~HACH~~ ~~LaMotte SN~~	~~HACH~~ ~~LaMotte SN~~	~~HACH~~ ~~LaMotte SN~~
	NTU	~~0.0~~ 20	19.9	20.1	20.9	—
	NTU	~~1.0~~ 100	98.0	99.7	97.9	—
	NTU	~~10.0~~ 800	531	517	524	—

			Date:	02/14/22			
			Time:	07:30			
Parameter	**Units**	**Standard**	**SmarTROLL SN 850751 iPad # 110**	**Mid-Day pH**	**SmarTROLL SN _____ iPad # ____**	**Mid-Day pH**
DO	% saturation	100	~~99.5~~ 99.30	-------		-------
Conductivity	us/cm	4490	4483.1	-------		-------
pH	S.U.	4.00	4.00			
pH	S.U.	7.00	7.03			
pH	S.U.	10.00	10.04			
ORP	mV	228.00	226.7	-------		-------

Turbidity	**Units**	**Standard**	~~HACH~~ ~~LaMotte SN~~ 13110C0246	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	~~0.0~~ 20	20.4			
	NTU	~~1.0~~ 100	102			
		800	806			

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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

Instrument Calibration

Date: 02/10/22
Time: 08:00

Parameter	Units	Standard	SmarTROLL SN 850767 iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	104.1			
Conductivity	us/cm	4490	4199.0			
pH	S.U.	4.00	4.00			
pH	S.U.	7.00	7.03			
pH	S.U.	10.00	10.14			
ORP	mV	228.00	221			

	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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February 2022

Daily Calibration Log

GL166235021-Y9-100.02
GL166235021-01-200.02

Incude daily mid-day pH check

Project Plant Scherer
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

			Date:	02/09/22		2-14-22	
			Time:	08:05		900	1340
Parameter	**Units**	**Standard**	**SmarTROLL SN 850767 iPad #**	**Mid-Day pH**	**SmarTROLL SN 850757 iPad #76**	**Mid-Day pH**
DO	% saturation	100	98.68	-------	99.07	-------
Conductivity	us/cm	4490	4696	-------	3867	-------
pH	S.U.	4.00	3.96		4.03	
pH	S.U.	7.00	7.08		7.08	7.07
pH	S.U.	10.00	10.10		10.18	
ORP	mV	228.00	229.0	-------	228.1	-------

	Units	**Standard**	**LaMotte SN**	**LaMotte SN**	**LaMotte SN**	**LaMotte SN**
Turbidity	NTU	~~20 0.0~~			20.0	
	NTU	~~100 1.0~~			101	
	NTU	~~800 10.0~~			795	

			Date:	2-15-22		2-16-22	
			Time:	730	1205	0730	
Parameter	**Units**	**Standard**	**SmarTROLL SN 850757 iPad #76**	**Mid-Day pH**		**SmarTROLL SN 850757 iPad #**	**Mid-Day pH**
DO	% saturation	100	100.8	-------		100.21	-------
Conductivity	us/cm	4490	5424.3	-------		4549.2	-------
pH	S.U.	4.00	3.87			3.96	
pH	S.U.	7.00	7.06	7.36		6.89	
pH	S.U.	10.00	10.09			9.74	
ORP	mV	228.00	226.4	-------		225.0	-------

	Units	**Standard**	**LaMotte SN**	**LaMotte SN**	**LaMotte SN**	**LaMotte SN**
Turbidity	NTU	~~20 0.0~~	19.4		20.0	
	NTU	100 1.0	99.8		100.1	
		800	800.1 ✓	recalibrated 7pm	800.0 ✓	

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February 2022

Daily Calibration Log

GL166235021-Y9-100.02
GL166235021-01-200.02

Project Plant Scherer ***Incude daily mid-day pH check***
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

		Date:	2/16/22			
		Time:	08:00			
Parameter	**Units**	**Standard**	**SmarTROLL SN** 843285 **iPad #** —	**Mid-Day pH**	**SmarTROLL SN** _____ **iPad #** ____	**Mid-Day pH**
DO	% saturation	100	100.92	-------		-------
Conductivity	us/cm	4490	4508.5	-------		-------
pH	S.U.	4.00	4.02			
pH	S.U.	7.00	7.03			
pH	S.U.	10.00	10.04			
ORP	mV	228.00	228.0	-------		-------

Hach

Turbidity	**Units**	**Standard**	~~**LaMotte**~~ **SN** 11080 C011670	**LaMotte SN** _____	**LaMotte SN** _____	**LaMotte SN** _____
	NTU	20.0	19.4			
	NTU	100.0	97.7			
	NTU	800.0	779			
		10.0	9.57			

		Date:				
		Time:				
Parameter	**Units**	**Standard**	**SmarTROLL SN** _____ **iPad #** _____	**Mid-Day pH**	**SmarTROLL SN** _____ **iPad #** ____	**Mid-Day pH**
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				

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February 2022

Daily Calibration Log

GL166235021-Y9-100.02
GL166235021-01-200.02

Incude daily mid-day pH check

Project Plant Scherer
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

		Date:	2/8/22			
		Time:	14:14			
Parameter	**Units**	**Standard**	**SmarTROLL SN** 850751 **iPad #** 10	**Mid-Day pH**	**SmarTROLL SN** _____ **iPad #** ____	**Mid-Day pH**
DO	% saturation	100	100.93	-------		-------
Conductivity	us/cm	4490	4528.0	-------		-------
pH	S.U.	4.00	3.82			
pH	S.U.	7.00	7.16			
pH	S.U.	10.00	10.32			
ORP	mV	228.00	248.1	-------		-------

Turbidity	**Units**	**Standard**	~~LaMotte~~ HACH **SN** 11050C009431	**LaMotte SN** _____	**LaMotte SN** _____	**LaMotte SN** _____
	NTU	~~0.0~~ 20	~~23.1~~ 21.1			
	NTU	~~1.0~~ 100	~~104~~ 98.3			
	NTU	~~10.0~~ 800	~~811~~ 804			
		10.0	10.2			

		Date:				
		Time:				
Parameter	**Units**	**Standard**	**SmarTROLL SN** _____ **iPad #** _____	**Mid-Day pH**	**SmarTROLL SN** _____ **iPad #** ____	**Mid-Day pH**
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				

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Daily Calibration Log

Project Plant Scherer *Incude daily mid-day pH check*
Field Staff J. Waguespack, D. Fulton, K. Minkara, J. Booth, C. Tidwell

Instrument Calibration

		Date:	2-8-22		2-9-22	
		Time:	1455		0800	1240
Parameter	Units	Standard	SmarTROLL SN 850767 iPad # 99	Mid-Day pH	SmarTROLL SN 850767 iPad # 99	Mid-Day pH
DO	% saturation	100	98.28	-------	98.68	-------
Conductivity	us/cm	4490	4347	-------	4696	-------
pH	S.U.	4.00	4.07		3.96	
pH	S.U.	7.00	6.98	N/A	7.08	7.03
pH	S.U.	10.00	10.05		10.10	
ORP	mV	228.00	222.2	-------	229.0	-------

Turbidity	Units	Standard	~~LaMotte~~ Hach SN	LaMotte SN	~~LaMotte~~ Hach SN	LaMotte SN
Turbidity	NTU	20 ~~0.0~~	19.8		20.1	
	NTU	100 ~~1.0~~	101		106	
	NTU	800 ~~10.0~~	794		806	
			✓		✓	

		Date:	2-10-22			
		Time:	800	1300		
Parameter	Units	Standard	SmarTROLL SN 850767 iPad #	Mid-Day pH	SmarTROLL SN 850767 iPad # 99	Mid-Day pH
DO	% saturation	100	106.1	-------	94.68	-------
Conductivity	us/cm	4490	4199	-------	4475	-------
pH	S.U.	4.00	4.00		4.03	
pH	S.U.	7.00	7.03	6.99	6.94	
pH	S.U.	10.00	10.14		10.07	
ORP	mV	228.00	221	-------	226.6	-------

Turbidity	Units	Standard	~~LaMotte~~ Hach SN	LaMotte SN	~~LaMotte~~ SN 120306C017X	LaMotte SN
Turbidity	NTU	20 ~~0.0~~	24.3		cal	
	NTU	100 ~~1.0~~	99.7		check	
	NTU	800 ~~10.0~~	806		passed	
			10.2 ✓		10.1 ✓	

GOLDER
MEMBER OF WSP

APPENDIX B

Analytical Results, Laboratory Accreditation, and Data Validation Summaries

APPENDIX B

Laboratory Analytical Data February 2022

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-133602-1
Client Project/Site: Plant Scherer AP1

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

Attn: Joju Abraham

Authorized for release by:
3/9/2022 7:48:24 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

Table of Contents

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Job ID: 180-133602-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133602-1

Comments
No additional comments.

Receipt
The samples were received on 2/11/2022 9:30 AM, 2/12/2022 12:45 PM and 2/16/2022 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 20 coolers at receipt time were 1.7º C, 2.1º C, 2.1º C, 2.4º C, 2.4º C, 2.6º C, 2.6º C, 3.3º C, 3.3º C, 3.5º C, 3.5º C, 3.6º C, 3.8º C, 4.4º C, 4.4º C, 4.4º C, 4.5º C, 4.6º C, 4.6º C and 4.6º 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 for 180-133602-1

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DUP-2 (180-133602-11) The client was contacted but no response was received. The lab logged analysis based on bottled received.

GC Semi VOA
Method 300.0: The continuing calibration verification (CCV) associated with batch 180-388140 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGWC-11 (180-133638-3), SGWC-22 (180-133638-7), EB-3 (180-133638-10), FB-3 (180-133638-11) and (CCV 180-388140/40).

Method 300.0: The matrix spike duplicate (MSD) recoveries for analytical batch 180-388140 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.

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: SGWC-20 (180-133644-4). Elevated reporting limits (RLs) are provided.

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

Metals
Methods 6020B: The low level initial calibration verification (ICVL) associated with batch 180-389218 recovered above the upper control limit for tin. The samples associated with this ICVL were less than the RL for the affected analytes; therefore, the data have been reported.

Method 7470A: The continuing calibration verification (CCV), low level continuing calibration verification (CCVL) and the laboratory control samples (LCS) and MS/MSD associated with batch 180-389210 recovered above the upper control limit for mercury. The samples associated with these QC were below the reporting limit for the affected analyte; therefore, the data have been reported.

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

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

General Chemistry
Method SM 2540C: Reanalysis of the following sample was performed outside of the analytical holding time because the initial results obtained within holding time were outside the range of conductivity, and reanalysis was not able to be performed within the holding time. : SGWA-5 (180-133602-5).

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 AP1

Job ID: 180-133602-1

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard 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.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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)

Glossary (Continued)

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Laboratory: Eurofins 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	06-27-22
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	03-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22
North Carolina (WW/SW)	State	434	12-31-22
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	06-30-22
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	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	06-30-22
New York	NELAP	11452	02-22-22
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

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

Sample Summary

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133602-1	SGWA-1	Water	02/09/22 13:22	02/11/22 09:30
180-133602-2	SGWA-2	Water	02/09/22 14:03	02/11/22 09:30
180-133602-3	SGWA-3	Water	02/09/22 12:35	02/11/22 09:30
180-133602-4	SGWA-4	Water	02/09/22 11:10	02/11/22 09:30
180-133602-5	SGWA-5	Water	02/09/22 13:50	02/11/22 09:30
180-133602-6	SGWC-6	Water	02/09/22 16:00	02/11/22 09:30
180-133602-7	SGWC-7	Water	02/09/22 16:09	02/11/22 09:30
180-133602-8	FB-2	Water	02/09/22 12:10	02/11/22 09:30
180-133602-9	EB-2	Water	02/09/22 14:20	02/11/22 09:30
180-133602-10	SGWA-25	Water	02/09/22 15:02	02/11/22 09:30
180-133602-11	DUP-2	Water	02/09/22 00:00	02/11/22 09:30
180-133638-1	SGWC-8	Water	02/10/22 10:10	02/12/22 12:45
180-133638-2	SGWC-9	Water	02/10/22 11:25	02/12/22 12:45
180-133638-3	SGWC-11	Water	02/10/22 13:02	02/12/22 12:45
180-133638-4	SGWC-12	Water	02/10/22 15:30	02/12/22 12:45
180-133638-5	SGWC-16	Water	02/10/22 16:20	02/12/22 12:45
180-133638-6	SGWC-18	Water	02/10/22 15:25	02/12/22 12:45
180-133638-7	SGWC-22	Water	02/10/22 10:46	02/12/22 12:45
180-133638-8	SGWC-23	Water	02/10/22 09:40	02/12/22 12:45
180-133638-9	SGWA-24	Water	02/10/22 13:45	02/12/22 12:45
180-133638-10	EB-3	Water	02/10/22 16:50	02/12/22 12:45
180-133638-11	FB-3	Water	02/10/22 14:00	02/12/22 12:45
180-133638-12	DUP-3	Water	02/10/22 00:01	02/12/22 12:45
180-133644-1	SGWC-10	Water	02/11/22 09:24	02/12/22 12:45
180-133644-2	SGWC-17	Water	02/11/22 09:45	02/12/22 12:45
180-133644-3	SGWC-21	Water	02/11/22 09:30	02/12/22 12:45
180-133644-4	SGWC-20	Water	02/11/22 10:20	02/12/22 12:45
180-133644-5	SGWC-15	Water	02/11/22 11:06	02/12/22 12:45
180-133644-6	SGWC-13	Water	02/11/22 11:05	02/12/22 12:45
180-133644-7	SGWC-19	Water	02/11/22 11:06	02/12/22 12:45
180-133781-1	SGWC-14	Water	02/14/22 11:22	02/16/22 16:45

Method Summary

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

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
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM 3500	Iron, Ferric	SM	TAL EDI
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL EDI
SM2320 B	Alkalinity, Total	SM18	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
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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 EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-1

Date Collected: 02/09/22 13:22
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-1

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			388042	02/12/22 16:16	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:27	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:53	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 14:29	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388388	02/15/22 16:29	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 19:49	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 13:22	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-2

Date Collected: 02/09/22 14:03
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-2

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			388042	02/12/22 17:01	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:30	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:54	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 14:38	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-2

Date Collected: 02/09/22 14:03
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-2

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	SM2320 B		1			388836	02/17/22 20:10	CMT	TAL PIT
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 14:03	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-3

Date Collected: 02/09/22 12:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-3

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			388042	02/12/22 17:16	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:38	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:55	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 14:46	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 20:25	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 12:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-4

Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4

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			388042	02/12/22 17:31	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:40	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:56	RJR	TAL PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-4

Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4

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	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 14:55	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 20:32	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 11:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-5

Date Collected: 02/09/22 13:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-5

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			388042	02/12/22 17:46	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:43	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:57	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 15:03	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388814	02/18/22 15:20	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 20:38	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 13:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-6

Date Collected: 02/09/22 16:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-6

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			388042	02/12/22 18:01	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:45	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:58	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 15:29	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 20:45	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 16:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-7

Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7

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			388042	02/12/22 18:47	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 11:09	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 14:02	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 15:37	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-7

Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7

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	SM2320 B		1			388836	02/17/22 20:52	CMT	TAL PIT
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 16:09	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-2

Date Collected: 02/09/22 12:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-8

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			388042	02/12/22 19:02	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 11:21	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 14:03	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 15:46	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:41	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:41	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 20:58	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-2

Date Collected: 02/09/22 14:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-9

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			388042	02/12/22 19:16	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 11:23	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 14:04	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 15:54	HEK	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-2

Lab Sample ID: 180-133602-9

Date Collected: 02/09/22 14:20

Matrix: Water

Date Received: 02/11/22 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	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:46	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:46	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 21:02	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: SGWA-25

Lab Sample ID: 180-133602-10

Date Collected: 02/09/22 15:02

Matrix: Water

Date Received: 02/11/22 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			388042	02/12/22 19:29	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 11:26	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 14:05	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 16:03	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:46	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:46	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 21:08	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388952	02/09/22 15:02	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-2

Lab Sample ID: 180-133602-11

Date Collected: 02/09/22 00:00

Matrix: Water

Date Received: 02/11/22 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			388042	02/12/22 19:43	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 11:37	RSK	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: DUP-2

Lab Sample ID: 180-133602-11

Date Collected: 02/09/22 00:00

Matrix: Water

Date Received: 02/11/22 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	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:33	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 16:11	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:46	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:46	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 21:49	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: SGWC-8

Lab Sample ID: 180-133638-1

Date Collected: 02/10/22 10:10

Matrix: Water

Date Received: 02/12/22 12:45

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			388140	02/15/22 01:05	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 16:10	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:08	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:09	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 13:21	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 12:08	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 10:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-9

Date Collected: 02/10/22 11:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-2

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			388140	02/14/22 21:54	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 16:51	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:11	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:14	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 13:35	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 12:28	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 11:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-11

Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3

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			388140	02/14/22 22:08	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:13	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:15	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 13:48	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-11

Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3

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 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 12:35	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 13:02	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-12

Date Collected: 02/10/22 15:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-4

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			388140	02/14/22 22:22	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 17:05	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:16	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:16	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 14:02	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 12:42	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 15:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-16

Date Collected: 02/10/22 16:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-5

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			388140	02/14/22 22:35	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 17:18	JRB	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-16

Date Collected: 02/10/22 16:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-5

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			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:19	RSK	TAL PIT
	Instrument ID:	NEMO								
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:17	KEM	TAL PIT
	Instrument ID:	HGY								
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 15:10	HEK	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID:	Konelab1								
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
	Instrument ID:	Konelab1								
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 12:49	CMT	TAL PIT
	Instrument ID:	PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 16:20	FDS	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SGWC-18

Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6

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			388140	02/14/22 22:49	JRB	TAL PIT
	Instrument ID:	CHICS2100B								
Total/NA	Analysis	EPA 300.0 R2.1		10			388140	02/14/22 23:02	JRB	TAL PIT
	Instrument ID:	CHICS2100B								
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 17:33	JRB	TAL PIT
	Instrument ID:	CHICS2100B								
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:21	RSK	TAL PIT
	Instrument ID:	NEMO								
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 14:43	RJR	TAL PIT
	Instrument ID:	HGY								
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 15:23	HEK	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID:	Konelab1								

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-18

Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6

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	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:09	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 15:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-22

Date Collected: 02/10/22 10:46
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-7

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			388140	02/14/22 23:16	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388279	02/15/22 10:02	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 12:32	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:11	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 15:37	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388397	02/15/22 18:10	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:52	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:52	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:23	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 10:46	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-23

Date Collected: 02/10/22 09:40
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-8

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			388140	02/15/22 01:46	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 17:48	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:53	RSK	TAL PIT
	Instrument ID: NEMO									

Client Sample ID: SGWC-23

Lab Sample ID: 180-133638-8

Date Collected: 02/10/22 09:40

Matrix: Water

Date Received: 02/12/22 12:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:12	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 15:50	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388388	02/15/22 16:29	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:30	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 09:40	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-24

Lab Sample ID: 180-133638-9

Date Collected: 02/10/22 13:45

Matrix: Water

Date Received: 02/12/22 12:45

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			388140	02/14/22 23:57	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 18:31	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:56	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:13	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 16:04	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388388	02/15/22 16:29	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:37	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389021	02/10/22 13:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: EB-3

Lab Sample ID: 180-133638-10

Date Collected: 02/10/22 16:50

Matrix: Water

Date Received: 02/12/22 12:45

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			388140	02/14/22 23:30	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:58	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:14	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 16:17	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388388	02/15/22 16:29	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:43	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: FB-3

Lab Sample ID: 180-133638-11

Date Collected: 02/10/22 14:00

Matrix: Water

Date Received: 02/12/22 12:45

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			388140	02/14/22 23:43	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:06	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:01	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:15	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 16:31	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388541	02/16/22 16:17	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:47	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: DUP-3

Date Collected: 02/10/22 00:01
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-12

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			388140	02/15/22 02:00	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		10			388140	02/15/22 02:14	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		1			388265	02/15/22 18:44	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:08	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:03	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 14:44	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 16:45	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388541	02/16/22 16:17	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 13:53	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: SGWC-10

Date Collected: 02/11/22 09:24
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-1

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			388136	02/15/22 04:01	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:29	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:23	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 15:51	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388543	02/16/22 16:25	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-10

Date Collected: 02/11/22 09:24
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-1

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	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 19:44	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 09:24	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-17

Date Collected: 02/11/22 09:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-2

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			388136	02/15/22 02:17	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:32	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:24	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 16:07	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 19:51	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 09:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-21

Date Collected: 02/11/22 09:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-3

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			388136	02/15/22 02:30	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:34	RSK	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-21

Date Collected: 02/11/22 09:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-3

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	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:25	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 16:22	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 19:59	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 09:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-20

Date Collected: 02/11/22 10:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-4

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			388136	02/15/22 03:11	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		5			388566	02/17/22 09:36	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:37	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:26	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 16:38	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 20:38	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 10:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-15

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-5

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			388136	02/15/22 03:24	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:39	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:27	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 16:53	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 18:59	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 18:59	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 20:49	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 11:06	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-13

Date Collected: 02/11/22 11:05
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-6

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			388136	02/15/22 03:36	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:47	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:28	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 17:09	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 19:04	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 19:04	HTV	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-13

Date Collected: 02/11/22 11:05
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-6

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	SM2320 B		1			389075	02/19/22 20:56	CMT	TAL PIT
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 11:05	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-19

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-7

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			388136	02/15/22 04:38	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		5			388136	02/15/22 04:50	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:50	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	389217	02/23/22 06:04	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389330	02/23/22 13:29	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388548	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388648	02/17/22 17:24	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388694	02/17/22 16:30	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 19:04	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 19:04	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 21:05	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389107	02/11/22 11:06	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-14

Date Collected: 02/14/22 11:22
Date Received: 02/16/22 16:45

Lab Sample ID: 180-133781-1

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			390650	03/07/22 17:02	M1D	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	EPA 300.0 R2.1		5			390803	03/08/22 12:43	M1D	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	388754	02/18/22 10:40	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			389218	02/22/22 13:54	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-14

Date Collected: 02/14/22 11:22
Date Received: 02/16/22 16:45

Lab Sample ID: 180-133781-1

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	7470A			25 mL	25 mL	389777	02/28/22 11:26	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389986	03/01/22 17:07	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388864	02/19/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388874	02/19/22 14:31	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388829	02/18/22 18:15	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 19:25	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 19:25	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389234	02/22/22 19:59	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389553	02/14/22 11:22	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Analyst References:

Lab: TAL EDI

Batch Type: Analysis

HTV = Huan Vu

TJW = Tiffany Wallace

Lab: TAL PIT

Batch Type: Prep

CMR = Carl Reagle

HEK = Hope Kiesling

KEM = Kimberly Mahoney

KFS = Kelly Shannon

RGM = Rebecca Manns

RJR = Ron Rosenbaum

Batch Type: Analysis

CMT = Cassandra Tlumac

FDS = Sampler Field

HEK = Hope Kiesling

JCR = Jessica Rodgers

JRB = James Burzio

KEM = Kimberly Mahoney

M1D = Maureen Donlin

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-1

Date Collected: 02/09/22 13:22
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.0**		1.0	0.71	mg/L			02/12/22 16:16	1
Fluoride	**0.034**	**J**	0.10	0.026	mg/L			02/12/22 16:16	1
Sulfate	**1.0**		1.0	0.76	mg/L			02/12/22 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:27	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:27	1
Barium	**0.044**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:27	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:27	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:27	1
Calcium	**1.8**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:27	1
Chromium	**0.0017**	**J**	0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:27	1
Cobalt	**0.00089**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:27	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:27	1
Lithium	**0.0011**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:27	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:27	1
Sodium	**2.7**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:27	1
Potassium	**0.63**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:27	1
Magnesium	**0.85**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:27	1
Manganese	**0.11**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:27	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		02/16/22 11:34	02/24/22 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.4**	**J**	3.0	2.1	mg/L		02/15/22 12:00	02/15/22 14:29	1
Total Dissolved Solids	**45**		10	10	mg/L			02/15/22 16:29	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**11**		5.0	5.0	mg/L			02/17/22 19:49	1
Bicarbonate Alkalinity as CaCO3	**11**		5.0	5.0	mg/L			02/17/22 19:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 19:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.28**				SU			02/09/22 13:22	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-2

Date Collected: 02/09/22 14:03
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.71	mg/L			02/12/22 17:01	1
Fluoride	**0.11**		0.10	0.026	mg/L			02/12/22 17:01	1
Sulfate	**1.2**		1.0	0.76	mg/L			02/12/22 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:30	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:30	1
Barium	**0.039**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:30	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:30	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:30	1
Calcium	**11**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:30	1
Chromium	**0.014**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:30	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:30	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:30	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:30	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:30	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:30	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:30	1
Sodium	**4.6**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:30	1
Potassium	**0.90**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:30	1
Magnesium	**5.9**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:30	1
Manganese	**0.0013**	**J**	0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:30	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		02/16/22 11:34	02/24/22 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.7**	**J**	3.0	2.1	mg/L		02/15/22 12:00	02/15/22 14:38	1
Total Dissolved Solids	**100**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**59**		5.0	5.0	mg/L			02/17/22 20:10	1
Bicarbonate Alkalinity as CaCO3	**59**		5.0	5.0	mg/L			02/17/22 20:10	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:10	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.01**				SU			02/09/22 14:03	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-3
Date Collected: 02/09/22 12:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.3**		1.0	0.71	mg/L			02/12/22 17:16	1
Fluoride	**0.049**	**J**	0.10	0.026	mg/L			02/12/22 17:16	1
Sulfate	**1.3**		1.0	0.76	mg/L			02/12/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:38	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:38	1
Barium	**0.041**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:38	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:38	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:38	1
Calcium	**6.0**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:38	1
Chromium	**0.019**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:38	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:38	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:38	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:38	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:38	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:38	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:38	1
Sodium	**4.7**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:38	1
Potassium	**1.0**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:38	1
Magnesium	**4.6**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:38	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:38	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		02/16/22 11:34	02/24/22 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 14:46	1
Total Dissolved Solids	**54**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**41**		5.0	5.0	mg/L			02/17/22 20:25	1
Bicarbonate Alkalinity as CaCO3	**41**		5.0	5.0	mg/L			02/17/22 20:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.84**				SU			02/09/22 12:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-4

Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.71	mg/L			02/12/22 17:31	1
Fluoride	**0.083**	**J**	0.10	0.026	mg/L			02/12/22 17:31	1
Sulfate	**1.1**		1.0	0.76	mg/L			02/12/22 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:40	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:40	1
Barium	**0.069**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:40	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:40	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:40	1
Calcium	**18**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:40	1
Chromium	**0.0048**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:40	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:40	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:40	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:40	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:40	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:40	1
Sodium	**8.3**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:40	1
Potassium	**1.6**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:40	1
Magnesium	**6.1**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:40	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:40	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		02/16/22 11:34	02/24/22 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 14:55	1
Total Dissolved Solids	**110**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**89**		5.0	5.0	mg/L			02/17/22 20:32	1
Bicarbonate Alkalinity as CaCO3	**89**		5.0	5.0	mg/L			02/17/22 20:32	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.38**				SU			02/09/22 11:10	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-5

Date Collected: 02/09/22 13:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-5

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			02/12/22 17:46	1
Fluoride	**0.044**	**J**	0.10	0.026	mg/L			02/12/22 17:46	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:43	1
Barium	**0.011**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:43	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:43	1
Calcium	**1.8**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:43	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:43	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:43	1
Lithium	**0.00094**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:43	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:43	1
Sodium	**9.9**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:43	1
Potassium	**0.51**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:43	1
Magnesium	**0.53**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:43	1
Manganese	**0.0031**	**J**	0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:43	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		02/16/22 11:34	02/24/22 13:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**3.3**		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 15:03	1
Total Dissolved Solids	**60**	**H**	10	10	mg/L			02/18/22 15:20	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**28**		5.0	5.0	mg/L			02/17/22 20:38	1
Bicarbonate Alkalinity as CaCO3	**28**		5.0	5.0	mg/L			02/17/22 20:38	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:38	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.56**				SU			02/09/22 13:50	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-6

Date Collected: 02/09/22 16:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-6

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			02/12/22 18:01	1
Fluoride	**0.19**		0.10	0.026	mg/L			02/12/22 18:01	1
Sulfate	**0.88**	**J**	1.0	0.76	mg/L			02/12/22 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:45	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:45	1
Barium	**0.13**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:45	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:45	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:45	1
Calcium	**11**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:45	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:45	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:45	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:45	1
Lithium	**0.0013**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:45	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:45	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:45	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:45	1
Sodium	**11**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:45	1
Potassium	**0.93**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:45	1
Magnesium	**4.5**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:45	1
Manganese	**0.013**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:45	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		02/16/22 11:34	02/24/22 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 15:29	1
Total Dissolved Solids	**130**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**69**		5.0	5.0	mg/L			02/17/22 20:45	1
Bicarbonate Alkalinity as CaCO3	**69**		5.0	5.0	mg/L			02/17/22 20:45	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.33**				SU			02/09/22 16:00	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-7

Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		1.0	0.71	mg/L			02/12/22 18:47	1
Fluoride	**0.27**		0.10	0.026	mg/L			02/12/22 18:47	1
Sulfate	**7.1**		1.0	0.76	mg/L			02/12/22 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 11:09	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 11:09	1
Barium	**0.21**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 11:09	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 11:09	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 11:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 11:09	1
Calcium	**16**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 11:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 11:09	1
Cobalt	**0.0024**	**J**	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 11:09	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 11:09	1
Lithium	**0.0048**	**J**	0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 11:09	1
Molybdenum	**0.0012**	**J**	0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 11:09	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 11:09	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 11:09	1
Sodium	**28**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 11:09	1
Potassium	**3.7**		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 11:09	1
Magnesium	**10**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 11:09	1
Manganese	**0.12**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:34	02/24/22 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 15:37	1
Total Dissolved Solids	**170**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	**0.17**		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	**110**		5.0	5.0	mg/L			02/17/22 20:52	1
Bicarbonate Alkalinity as CaCO3	**110**		5.0	5.0	mg/L			02/17/22 20:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.77**				SU			02/09/22 16:09	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: FB-2

Date Collected: 02/09/22 12:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-8

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			02/12/22 19:02	1
Fluoride	**0.030**	**J**	0.10	0.026	mg/L			02/12/22 19:02	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 11:21	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 11:21	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 11:21	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 11:21	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 11:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 11:21	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 11:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 11:21	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 11:21	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 11:21	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 11:21	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 11:21	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 11:21	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 11:21	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 11:21	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 11:21	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 11:21	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 11:21	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		02/16/22 11:34	02/24/22 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 15:46	1
Total Dissolved Solids	<10		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:41	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:41	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/17/22 20:58	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 20:58	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: EB-2

Date Collected: 02/09/22 14:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-9

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			02/12/22 19:16	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 19:16	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 11:23	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 11:23	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 11:23	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 11:23	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 11:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 11:23	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 11:23	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 11:23	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 11:23	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 11:23	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 11:23	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 11:23	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 11:23	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 11:23	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 11:23	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 11:23	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 11:23	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:34	02/24/22 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.2**	**J**	3.0	2.1	mg/L		02/15/22 12:00	02/15/22 15:54	1
Total Dissolved Solids	<10		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:46	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:46	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/17/22 21:02	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:02	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-25

Date Collected: 02/09/22 15:02
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.8**		1.0	0.71	mg/L			02/12/22 19:29	1
Fluoride	**0.069**	**J**	0.10	0.026	mg/L			02/12/22 19:29	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 11:26	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 11:26	1
Barium	**0.026**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 11:26	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 11:26	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 11:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 11:26	1
Calcium	**9.3**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 11:26	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 11:26	1
Cobalt	**0.00045**	**J**	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 11:26	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 11:26	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 11:26	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 11:26	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 11:26	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 11:26	1
Sodium	**7.9**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 11:26	1
Potassium	**0.60**		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 11:26	1
Magnesium	**6.1**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 11:26	1
Manganese	**0.026**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:34	02/24/22 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 16:03	1
Total Dissolved Solids	**93**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:46	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:46	1
Total Alkalinity as CaCO3 to pH 4.5	**57**		5.0	5.0	mg/L			02/17/22 21:08	1
Bicarbonate Alkalinity as CaCO3	**57**		5.0	5.0	mg/L			02/17/22 21:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.17**				SU			02/09/22 15:02	1

Client Sample ID: DUP-2

Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.71	mg/L			02/12/22 19:43	1
Fluoride	**0.27**		0.10	0.026	mg/L			02/12/22 19:43	1
Sulfate	**6.7**		1.0	0.76	mg/L			02/12/22 19:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 11:37	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 11:37	1
Barium	**0.21**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 11:37	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 11:37	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 11:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 11:37	1
Calcium	**16**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 11:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 11:37	1
Cobalt	**0.0023**	**J**	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 11:37	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 11:37	1
Lithium	**0.0050**		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 11:37	1
Molybdenum	**0.0012**	**J**	0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 11:37	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 11:37	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 11:37	1
Sodium	**17**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 11:37	1
Potassium	**3.7**		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 11:37	1
Magnesium	**10**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 11:37	1
Manganese	**0.13**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:35	02/17/22 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.3**	**J**	3.0	2.1	mg/L		02/15/22 12:00	02/15/22 16:11	1
Total Dissolved Solids	**180**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	**0.17**		0.10	0.10	mg/L			02/22/22 17:46	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:46	1
Total Alkalinity as CaCO3 to pH 4.5	**120**		5.0	5.0	mg/L			02/17/22 21:49	1
Bicarbonate Alkalinity as CaCO3	**120**		5.0	5.0	mg/L			02/17/22 21:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:49	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-8

Date Collected: 02/10/22 10:10
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12	F1	1.0	0.71	mg/L			02/15/22 01:05	1
Fluoride	0.44		0.10	0.026	mg/L			02/15/22 16:10	1
Sulfate	80	F1	1.0	0.76	mg/L			02/15/22 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:08	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:08	1
Barium	0.18		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:08	1
Boron	0.16		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:08	1
Calcium	53		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:08	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:08	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:08	1
Lithium	0.0015	J	0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:08	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:08	1
Sodium	40		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:08	1
Potassium	1.2		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:08	1
Magnesium	30		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:08	1
Manganese	0.0016	J	0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 12:08	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		02/16/22 11:35	02/17/22 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.5	J B	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 13:21	1
Total Dissolved Solids	400		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	230		5.0	5.0	mg/L			02/19/22 12:08	1
Bicarbonate Alkalinity as CaCO3	230		5.0	5.0	mg/L			02/19/22 12:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.47				SU			02/10/22 10:10	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-9

Date Collected: 02/10/22 11:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-2

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			02/14/22 21:54	1
Fluoride	0.098	J	0.10	0.026	mg/L			02/15/22 16:51	1
Sulfate	190		1.0	0.76	mg/L			02/14/22 21:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:11	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:11	1
Barium	0.047		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:11	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:11	1
Boron	1.3		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:11	1
Calcium	37		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:11	1
Cobalt	0.0022	J	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:11	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:11	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:11	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:11	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:11	1
Sodium	49		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:11	1
Potassium	0.48	J	0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:11	1
Magnesium	22		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:11	1
Manganese	0.22		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 12:11	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		02/16/22 11:35	02/17/22 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 13:35	1
Total Dissolved Solids	410		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	0.13		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	79		5.0	5.0	mg/L			02/19/22 12:28	1
Bicarbonate Alkalinity as CaCO3	79		5.0	5.0	mg/L			02/19/22 12:28	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.25				SU			02/10/22 11:25	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-11

Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3

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			02/14/22 22:08	1
Fluoride	<0.026		0.10	0.026	mg/L			02/14/22 22:08	1
Sulfate	<0.76		1.0	0.76	mg/L			02/14/22 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:13	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:13	1
Barium	**0.045**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:13	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:13	1
Boron	**0.53**		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:13	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:13	1
Calcium	**1.9**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:13	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:13	1
Cobalt	**0.021**		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:13	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:13	1
Lithium	**0.0022**	**J**	0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:13	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:13	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:13	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:13	1
Sodium	**6.8**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:13	1
Potassium	**0.32**	**J**	0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:13	1
Magnesium	**1.5**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:13	1
Manganese	**0.56**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:35	02/17/22 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 13:48	1
Total Dissolved Solids	**39**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	**0.091**	**J HF**	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	**12**		5.0	5.0	mg/L			02/19/22 12:35	1
Bicarbonate Alkalinity as CaCO3	**12**		5.0	5.0	mg/L			02/19/22 12:35	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:35	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.11**				SU			02/10/22 13:02	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-12

Date Collected: 02/10/22 15:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-4

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			02/14/22 22:22	1
Fluoride	0.060	J	0.10	0.026	mg/L			02/15/22 17:05	1
Sulfate	41		1.0	0.76	mg/L			02/14/22 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:16	1
Barium	0.057		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:16	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:16	1
Calcium	23		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:16	1
Cobalt	0.00079	J	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:16	1
Lead	0.00020	J	0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:16	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:16	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:16	1
Sodium	15		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:16	1
Potassium	0.72		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:16	1
Magnesium	12		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:16	1
Manganese	0.74		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 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		02/16/22 11:35	02/17/22 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 14:02	1
Total Dissolved Solids	210		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	0.32		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	0.56	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	100		5.0	5.0	mg/L			02/19/22 12:42	1
Bicarbonate Alkalinity as CaCO3	100		5.0	5.0	mg/L			02/19/22 12:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:42	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.19				SU			02/10/22 15:30	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-16

Date Collected: 02/10/22 16:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.8**		1.0	0.71	mg/L			02/14/22 22:35	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 17:18	1
Sulfate	**45**		1.0	0.76	mg/L			02/14/22 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:19	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:19	1
Barium	**0.034**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:19	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:19	1
Boron	**0.63**		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:19	1
Calcium	**1.2**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:19	1
Chromium	**0.012**		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:19	1
Cobalt	**0.0049**		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:19	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:19	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:19	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:19	1
Selenium	**0.00092**	**J**	0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:19	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:19	1
Sodium	**28**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:19	1
Potassium	**0.55**		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:19	1
Magnesium	**0.71**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:19	1
Manganese	**0.029**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 12:19	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		02/16/22 11:35	02/17/22 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 15:10	1
Total Dissolved Solids	**100**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	**0.18**		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 12:49	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.21**				SU			02/10/22 16:20	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-18

Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		1.0	0.71	mg/L			02/14/22 22:49	1
Fluoride	**0.039**	**J**	0.10	0.026	mg/L			02/15/22 17:33	1
Sulfate	**890**		10	7.6	mg/L			02/14/22 23:02	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:21	1
Arsenic	**0.0043**		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:21	1
Barium	**0.013**		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:21	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:21	1
Boron	**6.4**		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:21	1
Calcium	**55**		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:21	1
Chromium	**0.010**		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:21	1
Cobalt	**0.090**		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:21	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:21	1
Lithium	**0.0039**	**J**	0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:21	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:21	1
Selenium	**0.0021**	**J**	0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:21	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:21	1
Sodium	**330**		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:21	1
Potassium	**3.4**		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:21	1
Magnesium	**24**		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:21	1
Manganese	**0.82**		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 12:21	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		02/21/22 12:01	02/23/22 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 15:23	1
Total Dissolved Solids	**1400**		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	**0.15**		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 13:09	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:09	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.86**				SU			02/10/22 15:25	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-22

Date Collected: 02/10/22 10:46
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-7

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			02/14/22 23:16	1
Fluoride	<0.026		0.10	0.026	mg/L			02/14/22 23:16	1
Sulfate	100		1.0	0.76	mg/L			02/14/22 23:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 12:32	1
Arsenic	0.00031	J	0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 12:32	1
Barium	0.070		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 12:32	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 12:32	1
Boron	0.54		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 12:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 12:32	1
Calcium	27		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 12:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 12:32	1
Cobalt	0.0016	J	0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 12:32	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 12:32	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 12:32	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 12:32	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 12:32	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 12:32	1
Sodium	23		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 12:32	1
Potassium	2.8		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 12:32	1
Magnesium	12		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 12:32	1
Manganese	0.24		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 12:32	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 15:37	1
Total Dissolved Solids	250		10	10	mg/L			02/15/22 18:10	1
Ferric Iron	0.82		0.10	0.10	mg/L			02/22/22 18:52	1
Ferrous Iron	0.13	HF	0.10	0.081	mg/L			02/22/22 18:52	1
Total Alkalinity as CaCO3 to pH 4.5	43		5.0	5.0	mg/L			02/19/22 13:23	1
Bicarbonate Alkalinity as CaCO3	43		5.0	5.0	mg/L			02/19/22 13:23	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.78				SU			02/10/22 10:46	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-23

Date Collected: 02/10/22 09:40
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-8

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			02/15/22 01:46	1
Fluoride	**0.066**	**J**	0.10	0.026	mg/L			02/15/22 17:48	1
Sulfate	**73**		1.0	0.76	mg/L			02/15/22 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 15:53	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 15:53	1
Barium	**0.064**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 15:53	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 15:53	1
Boron	**0.45**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 15:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 15:53	1
Calcium	**23**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 15:53	1
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 15:53	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 15:53	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 15:53	1
Lithium	**0.0029**	**J**	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 15:53	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 15:53	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 15:53	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 15:53	1
Sodium	**19**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 15:53	1
Potassium	**1.5**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 15:53	1
Magnesium	**11**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 15:53	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 15:53	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 15:50	1
Total Dissolved Solids	**230**		10	10	mg/L			02/15/22 16:29	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	**62**		5.0	5.0	mg/L			02/19/22 13:30	1
Bicarbonate Alkalinity as CaCO3	**62**		5.0	5.0	mg/L			02/19/22 13:30	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.13**				SU			02/10/22 09:40	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWA-24

Date Collected: 02/10/22 13:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.4**		1.0	0.71	mg/L			02/14/22 23:57	1
Fluoride	**0.061**	**J**	0.10	0.026	mg/L			02/15/22 18:31	1
Sulfate	<0.76		1.0	0.76	mg/L			02/14/22 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 15:56	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 15:56	1
Barium	**0.025**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 15:56	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 15:56	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 15:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 15:56	1
Calcium	**15**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 15:56	1
Chromium	**0.0048**		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 15:56	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 15:56	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 15:56	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 15:56	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 15:56	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 15:56	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 15:56	1
Sodium	**6.3**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 15:56	1
Potassium	**0.86**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 15:56	1
Magnesium	**7.0**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 15:56	1
Manganese	**0.011**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 15:56	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:04	1
Total Dissolved Solids	**130**		10	10	mg/L			02/15/22 16:29	1
Ferric Iron	**0.19**		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	**76**		5.0	5.0	mg/L			02/19/22 13:37	1
Bicarbonate Alkalinity as CaCO3	**76**		5.0	5.0	mg/L			02/19/22 13:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.38**				SU			02/10/22 13:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: EB-3

Date Collected: 02/10/22 16:50
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-10

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			02/14/22 23:30	1
Fluoride	<0.026		0.10	0.026	mg/L			02/14/22 23:30	1
Sulfate	<0.76		1.0	0.76	mg/L			02/14/22 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 15:58	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 15:58	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 15:58	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 15:58	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 15:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 15:58	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 15:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 15:58	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 15:58	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 15:58	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 15:58	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 15:58	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 15:58	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 15:58	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 15:58	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 15:58	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 15:58	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 15:58	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.2**	**J B**	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:17	1
Total Dissolved Solids	<10		10	10	mg/L			02/15/22 16:29	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 13:43	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:43	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: FB-3
Date Collected: 02/10/22 14:00
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-11
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			02/14/22 23:43	1
Fluoride	<0.026		0.10	0.026	mg/L			02/14/22 23:43	1
Sulfate	<0.76		1.0	0.76	mg/L			02/14/22 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:06	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:06	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:06	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:06	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:06	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:06	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:06	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:06	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:06	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:06	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:06	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:06	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:06	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:06	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:06	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:06	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:31	1
Total Dissolved Solids	<10		10	10	mg/L			02/16/22 16:17	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 13:47	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:47	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:47	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: DUP-3
Date Collected: 02/10/22 00:01
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		1.0	0.71	mg/L			02/15/22 02:00	1
Fluoride	**0.033**	**J**	0.10	0.026	mg/L			02/15/22 18:44	1
Sulfate	**890**		10	7.6	mg/L			02/15/22 02:14	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:08	1
Arsenic	**0.0041**		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:08	1
Barium	**0.013**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:08	1
Boron	**5.9**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:08	1
Calcium	**55**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:08	1
Chromium	**0.0098**		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:08	1
Cobalt	**0.089**		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:08	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:08	1
Lithium	**0.0037**	**J**	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:08	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:08	1
Selenium	**0.0021**	**J**	0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:08	1
Sodium	**320**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:08	1
Potassium	**3.4**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:08	1
Magnesium	**24**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:08	1
Manganese	**0.82**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:08	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		02/21/22 12:03	02/23/22 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:45	1
Total Dissolved Solids	**1500**		10	10	mg/L			02/16/22 16:17	1
Ferric Iron	**0.27**		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 13:53	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:53	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 13:53	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-10

Date Collected: 02/11/22 09:24
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-1

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			02/15/22 04:01	1
Fluoride	0.030	J	0.10	0.026	mg/L			02/15/22 04:01	1
Sulfate	2.1		1.0	0.76	mg/L			02/15/22 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:29	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:29	1
Barium	0.025		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:29	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:29	1
Boron	0.090		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:29	1
Calcium	0.55		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:29	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:29	1
Cobalt	0.023		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:29	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:29	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:29	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:29	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:29	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:29	1
Sodium	12		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:29	1
Potassium	0.27	J	0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:29	1
Magnesium	4.2		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:29	1
Manganese	0.38		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:29	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		02/23/22 06:04	02/23/22 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 15:51	1
Total Dissolved Solids	44		10	10	mg/L			02/16/22 16:25	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	15		5.0	5.0	mg/L			02/19/22 19:44	1
Bicarbonate Alkalinity as CaCO3	15		5.0	5.0	mg/L			02/19/22 19:44	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 19:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.13				SU			02/11/22 09:24	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-17

Date Collected: 02/11/22 09:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.4		1.0	0.71	mg/L			02/15/22 02:17	1
Fluoride	0.064	J	0.10	0.026	mg/L			02/15/22 02:17	1
Sulfate	190		1.0	0.76	mg/L			02/15/22 02:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:32	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:32	1
Barium	0.025		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:32	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:32	1
Boron	0.27		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:32	1
Calcium	58		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:32	1
Chromium	0.0079		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:32	1
Cobalt	0.00036	J	0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:32	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:32	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:32	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:32	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:32	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:32	1
Sodium	29		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:32	1
Potassium	0.43	J	0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:32	1
Magnesium	27		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:32	1
Manganese	0.023		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:32	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		02/23/22 06:04	02/23/22 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.2	J	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:07	1
Total Dissolved Solids	440		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	0.35		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	78		5.0	5.0	mg/L			02/19/22 19:51	1
Bicarbonate Alkalinity as CaCO3	78		5.0	5.0	mg/L			02/19/22 19:51	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 19:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.39				SU			02/11/22 09:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-21

Date Collected: 02/11/22 09:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-3

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			02/15/22 02:30	1
Fluoride	0.092	J	0.10	0.026	mg/L			02/15/22 02:30	1
Sulfate	120		1.0	0.76	mg/L			02/15/22 02:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:34	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:34	1
Barium	0.11		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:34	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:34	1
Boron	1.0		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:34	1
Calcium	36		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:34	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:34	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:34	1
Lithium	0.0011	J	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:34	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:34	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:34	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:34	1
Sodium	60		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:34	1
Potassium	1.4		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:34	1
Magnesium	12		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:34	1
Manganese	0.052		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:34	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		02/23/22 06:04	02/23/22 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	3.4		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:22	1
Total Dissolved Solids	350		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	0.17		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	130		5.0	5.0	mg/L			02/19/22 19:59	1
Bicarbonate Alkalinity as CaCO3	130		5.0	5.0	mg/L			02/19/22 19:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 19:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.31				SU			02/11/22 09:30	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-20

Date Collected: 02/11/22 10:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.6**		1.0	0.71	mg/L			02/15/22 03:11	1
Fluoride	**0.14**		0.10	0.026	mg/L			02/15/22 03:11	1
Sulfate	**230**		5.0	3.8	mg/L			02/17/22 09:36	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:37	1
Arsenic	**0.00081**	**J**	0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:37	1
Barium	**0.022**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:37	1
Beryllium	**0.00074**	**J**	0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:37	1
Boron	**1.5**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:37	1
Calcium	**13**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:37	1
Cobalt	**0.14**		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:37	1
Lead	**0.00021**	**J**	0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:37	1
Lithium	**0.0037**	**J**	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:37	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:37	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:37	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:37	1
Sodium	**60**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:37	1
Potassium	**3.2**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:37	1
Magnesium	**17**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:37	1
Manganese	**1.5**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:37	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		02/23/22 06:04	02/23/22 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**3.9**		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:38	1
Total Dissolved Solids	**350**		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 20:38	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:38	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:38	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.25**				SU			02/11/22 10:20	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-15

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-5

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			02/15/22 03:24	1
Fluoride	0.14		0.10	0.026	mg/L			02/15/22 03:24	1
Sulfate	200		1.0	0.76	mg/L			02/15/22 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:39	1
Arsenic	0.0021		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:39	1
Barium	0.027		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:39	1
Beryllium	0.00040	J	0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:39	1
Boron	1.2		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:39	1
Cadmium	0.00024	J	0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:39	1
Calcium	16		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:39	1
Chromium	0.032		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:39	1
Cobalt	0.23		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:39	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:39	1
Lithium	0.0027	J	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:39	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:39	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:39	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:39	1
Sodium	43		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:39	1
Potassium	4.4		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:39	1
Magnesium	15		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:39	1
Manganese	3.4		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:39	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		02/23/22 06:04	02/23/22 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:53	1
Total Dissolved Solids	310		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	0.12		0.10	0.10	mg/L			02/22/22 18:59	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 18:59	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/19/22 20:49	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.59				SU			02/11/22 11:06	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-13

Date Collected: 02/11/22 11:05
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-6

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			02/15/22 03:36	1
Fluoride	0.045	J	0.10	0.026	mg/L			02/15/22 03:36	1
Sulfate	94		1.0	0.76	mg/L			02/15/22 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:47	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:47	1
Barium	0.034		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:47	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:47	1
Boron	0.48		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:47	1
Calcium	19		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:47	1
Cobalt	0.0015	J	0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:47	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:47	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:47	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:47	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:47	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:47	1
Sodium	25		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:47	1
Potassium	1.1		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:47	1
Magnesium	7.5		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:47	1
Manganese	0.091		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:47	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		02/23/22 06:04	02/23/22 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.5	J	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 17:09	1
Total Dissolved Solids	200		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 19:04	1
Ferrous Iron	0.21	HF	0.10	0.081	mg/L			02/22/22 19:04	1
Total Alkalinity as CaCO3 to pH 4.5	28		5.0	5.0	mg/L			02/19/22 20:56	1
Bicarbonate Alkalinity as CaCO3	28		5.0	5.0	mg/L			02/19/22 20:56	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:56	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.02				SU			02/11/22 11:05	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-19

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-7

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			02/15/22 04:38	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 04:38	1
Sulfate	**260**		5.0	3.8	mg/L			02/15/22 04:50	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:50	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:50	1
Barium	**0.032**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:50	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:50	1
Boron	**1.7**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:50	1
Calcium	**46**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:50	1
Chromium	**0.015**		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:50	1
Cobalt	**0.00045**	**J**	0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:50	1
Lead	**0.00033**	**J**	0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:50	1
Lithium	**0.0072**		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:50	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:50	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:50	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:50	1
Sodium	**45**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:50	1
Potassium	**2.5**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:50	1
Magnesium	**21**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:50	1
Manganese	**0.10**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 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		02/23/22 06:04	02/23/22 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 17:24	1
Total Dissolved Solids	**440**		10	10	mg/L			02/17/22 16:30	1
Ferric Iron	**0.49**		0.10	0.10	mg/L			02/22/22 19:04	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 19:04	1
Total Alkalinity as CaCO3 to pH 4.5	**10**		5.0	5.0	mg/L			02/19/22 21:05	1
Bicarbonate Alkalinity as CaCO3	**10**		5.0	5.0	mg/L			02/19/22 21:05	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 21:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.65**				SU			02/11/22 11:06	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-1

Client Sample ID: SGWC-14

Date Collected: 02/14/22 11:22
Date Received: 02/16/22 16:45

Lab Sample ID: 180-133781-1

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			03/07/22 17:02	1
Fluoride	**0.035**	**J**	0.10	0.026	mg/L			03/07/22 17:02	1
Sulfate	**220**		5.0	3.8	mg/L			03/08/22 12:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/18/22 10:40	02/22/22 13:54	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/18/22 10:40	02/22/22 13:54	1
Barium	**0.047**		0.010	0.0031	mg/L		02/18/22 10:40	02/22/22 13:54	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/18/22 10:40	02/22/22 13:54	1
Boron	**1.5**		0.080	0.060	mg/L		02/18/22 10:40	02/22/22 13:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/22 10:40	02/22/22 13:54	1
Calcium	**41**		0.50	0.13	mg/L		02/18/22 10:40	02/22/22 13:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/22 10:40	02/22/22 13:54	1
Cobalt	**0.0065**		0.0025	0.00026	mg/L		02/18/22 10:40	02/22/22 13:54	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/18/22 10:40	02/22/22 13:54	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/18/22 10:40	02/22/22 13:54	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/22 10:40	02/22/22 13:54	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/18/22 10:40	02/22/22 13:54	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/18/22 10:40	02/22/22 13:54	1
Sodium	**26**		0.50	0.18	mg/L		02/18/22 10:40	02/22/22 13:54	1
Potassium	**1.9**		0.50	0.16	mg/L		02/18/22 10:40	02/22/22 13:54	1
Magnesium	**21**		0.50	0.050	mg/L		02/18/22 10:40	02/22/22 13:54	1
Manganese	**0.20**	**B**	0.0050	0.0013	mg/L		02/18/22 10:40	02/22/22 13:54	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		02/28/22 11:26	03/01/22 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/19/22 12:00	02/19/22 14:31	1
Total Dissolved Solids	**360**		10	10	mg/L			02/18/22 18:15	1
Ferric Iron	**0.18**		0.10	0.10	mg/L			02/22/22 19:25	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 19:25	1
Total Alkalinity as CaCO3 to pH 4.5	**15**		5.0	5.0	mg/L			02/22/22 19:59	1
Bicarbonate Alkalinity as CaCO3	**15**		5.0	5.0	mg/L			02/22/22 19:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/22 19:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.77**				SU			02/14/22 11:22	1

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

Lab Sample ID: MB 180-388042/7
Matrix: Water
Analysis Batch: 388042

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			02/12/22 16:03	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 16:03	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 16:03	1

Lab Sample ID: LCS 180-388042/6
Matrix: Water
Analysis Batch: 388042

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	49.0		mg/L		98	90 - 110		
Fluoride			2.50	2.63		mg/L		105	90 - 110		
Sulfate			50.0	49.1		mg/L		98	90 - 110		

Lab Sample ID: 180-133602-1 MS
Matrix: Water
Analysis Batch: 388042

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		
Chloride	2.0		50.0	54.0		mg/L		104	90 - 110		
Fluoride	0.034	J	2.50	2.74		mg/L		108	90 - 110		
Sulfate	1.0		50.0	52.6		mg/L		103	90 - 110		

Lab Sample ID: 180-133602-1 MSD
Matrix: Water
Analysis Batch: 388042

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
Chloride	2.0		50.0	52.8		mg/L		102	90 - 110	2	20
Fluoride	0.034	J	2.50	2.69		mg/L		106	90 - 110	2	20
Sulfate	1.0		50.0	51.5		mg/L		101	90 - 110	2	20

Lab Sample ID: 180-133602-11 MS
Matrix: Water
Analysis Batch: 388042

Client Sample ID: DUP-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	3.7		50.0	51.8		mg/L		96	90 - 110		
Fluoride	0.27		2.50	2.75		mg/L		100	90 - 110		
Sulfate	6.7		50.0	54.2		mg/L		95	90 - 110		

Lab Sample ID: 180-133602-11 MSD
Matrix: Water
Analysis Batch: 388042

Client Sample ID: DUP-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	3.7		50.0	51.4		mg/L		95	90 - 110	1	20
Fluoride	0.27		2.50	2.76		mg/L		100	90 - 110	0	20
Sulfate	6.7		50.0	53.9		mg/L		94	90 - 110	1	20

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

Lab Sample ID: MB 180-388136/51
Matrix: Water
Analysis Batch: 388136

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			02/15/22 00:41	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 00:41	1
Sulfate	<0.76		1.0	0.76	mg/L			02/15/22 00:41	1

Lab Sample ID: LCS 180-388136/50
Matrix: Water
Analysis Batch: 388136

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	49.7		mg/L		99	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

Lab Sample ID: 180-133644-1 MS
Matrix: Water
Analysis Batch: 388136

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	11		50.0	65.3		mg/L		110	90 - 110
Fluoride	0.030	J	2.50	2.76		mg/L		109	90 - 110
Sulfate	2.1		50.0	54.7		mg/L		105	90 - 110

Lab Sample ID: 180-133644-1 MSD
Matrix: Water
Analysis Batch: 388136

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11		50.0	60.5		mg/L		100	90 - 110	8	20
Fluoride	0.030	J	2.50	2.55		mg/L		101	90 - 110	8	20
Sulfate	2.1		50.0	50.0		mg/L		96	90 - 110	9	20

Lab Sample ID: MB 180-388140/43
Matrix: Water
Analysis Batch: 388140

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			02/15/22 00:52	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 00:52	1
Sulfate	<0.76		1.0	0.76	mg/L			02/15/22 00:52	1

Lab Sample ID: MB 180-388140/7
Matrix: Water
Analysis Batch: 388140

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			02/14/22 15:41	1
Fluoride	<0.026		0.10	0.026	mg/L			02/14/22 15:41	1
Sulfate	<0.76		1.0	0.76	mg/L			02/14/22 15:41	1

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

Lab Sample ID: LCS 180-388140/42
Matrix: Water
Analysis Batch: 388140

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	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.67		mg/L		107	90 - 110
Sulfate	50.0	50.2		mg/L		100	90 - 110

Lab Sample ID: LCS 180-388140/6
Matrix: Water
Analysis Batch: 388140

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	49.3		mg/L		99	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110

Lab Sample ID: 180-133638-1 MS
Matrix: Water
Analysis Batch: 388140

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12	F1	50.0	62.0		mg/L		100	90 - 110
Sulfate	80	F1	50.0	127		mg/L		95	90 - 110

Lab Sample ID: 180-133638-1 MSD
Matrix: Water
Analysis Batch: 388140

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12	F1	50.0	55.7	F1	mg/L		88	90 - 110	11	20
Sulfate	80	F1	50.0	114	F1	mg/L		69	90 - 110	11	20

Lab Sample ID: MB 180-388265/7
Matrix: Water
Analysis Batch: 388265

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			02/15/22 10:37	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 10:37	1
Sulfate	<0.76		1.0	0.76	mg/L			02/15/22 10:37	1

Lab Sample ID: LCS 180-388265/6
Matrix: Water
Analysis Batch: 388265

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	2.61		mg/L		104	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

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

Lab Sample ID: 180-133638-1 MS
Matrix: Water
Analysis Batch: 388265

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.44		2.50	3.01		mg/L		103	90 - 110

Lab Sample ID: 180-133638-1 MSD
Matrix: Water
Analysis Batch: 388265

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.44		2.50	2.94		mg/L		100	90 - 110	2	20

Lab Sample ID: MB 180-388566/7
Matrix: Water
Analysis Batch: 388566

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			02/17/22 09:21	1
Fluoride	<0.026		0.10	0.026	mg/L			02/17/22 09:21	1
Sulfate	<0.76		1.0	0.76	mg/L			02/17/22 09:21	1

Lab Sample ID: LCS 180-388566/5
Matrix: Water
Analysis Batch: 388566

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	49.9		mg/L		100	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	48.5		mg/L		97	90 - 110

Lab Sample ID: 180-133748-B-1 MS
Matrix: Water
Analysis Batch: 388566

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	15		50.0	61.4		mg/L		94	90 - 110

Lab Sample ID: 180-133748-B-1 MSD
Matrix: Water
Analysis Batch: 388566

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	15		50.0	66.6		mg/L		104	90 - 110	8	20

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

Lab Sample ID: MB 180-388279/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:02	02/16/22 10:56	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:02	02/16/22 10:56	1

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

Lab Sample ID: MB 180-388279/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:02	02/16/22 10:56	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:02	02/16/22 10:56	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:02	02/16/22 10:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:02	02/16/22 10:56	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:02	02/16/22 10:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:02	02/16/22 10:56	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:02	02/16/22 10:56	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:02	02/16/22 10:56	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:02	02/16/22 10:56	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:02	02/16/22 10:56	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:02	02/16/22 10:56	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:02	02/16/22 10:56	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:02	02/16/22 10:56	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:02	02/16/22 10:56	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:02	02/16/22 10:56	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:02	02/16/22 10:56	1

Lab Sample ID: LCS 180-388279/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.244		mg/L		98	80 - 120
Arsenic	1.00	1.00		mg/L		100	80 - 120
Barium	1.00	1.04		mg/L		104	80 - 120
Beryllium	0.500	0.515		mg/L		103	80 - 120
Boron	1.25	1.22		mg/L		98	80 - 120
Cadmium	0.500	0.515		mg/L		103	80 - 120
Calcium	25.0	28.8		mg/L		115	80 - 120
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Lead	0.500	0.515		mg/L		103	80 - 120
Lithium	0.500	0.487		mg/L		97	80 - 120
Molybdenum	0.500	0.535		mg/L		107	80 - 120
Selenium	1.00	0.972		mg/L		97	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Sodium	25.0	26.1		mg/L		105	80 - 120
Potassium	25.0	25.5		mg/L		102	80 - 120
Magnesium	25.0	25.8		mg/L		103	80 - 120
Manganese	0.500	0.482		mg/L		96	80 - 120

Lab Sample ID: 180-133602-7 MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: SGWC-7
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00028		1.00	0.963		mg/L		96	75 - 125
Barium	0.21		1.00	1.23		mg/L		102	75 - 125

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

Lab Sample ID: 180-133602-7 MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: SGWC-7
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	<0.00027		0.500	0.501		mg/L		100	75 - 125
Boron	<0.060		1.25	1.20		mg/L		96	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	16		25.0	43.6		mg/L		111	75 - 125
Chromium	<0.0015		0.500	0.497		mg/L		99	75 - 125
Cobalt	0.0024	J	0.500	0.485		mg/L		97	75 - 125
Lead	<0.00017		0.500	0.496		mg/L		99	75 - 125
Lithium	0.0048	J	0.500	0.467		mg/L		93	75 - 125
Molybdenum	0.0012	J	0.500	0.502		mg/L		100	75 - 125
Selenium	<0.00074		1.00	0.921		mg/L		92	75 - 125
Thallium	<0.00047		1.00	0.975		mg/L		97	75 - 125
Sodium	28		25.0	51.6		mg/L		95	75 - 125
Potassium	3.7		25.0	28.0		mg/L		97	75 - 125
Magnesium	10		25.0	34.6		mg/L		98	75 - 125
Manganese	0.12		0.500	0.593		mg/L		94	75 - 125

Lab Sample ID: 180-133602-7 MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: SGWC-7
Prep Type: Total Recoverable
Prep Batch: 388279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00028		1.00	0.984		mg/L		98	75 - 125	2	20
Barium	0.21		1.00	1.24		mg/L		102	75 - 125	1	20
Beryllium	<0.00027		0.500	0.485		mg/L		97	75 - 125	3	20
Boron	<0.060		1.25	1.24		mg/L		99	75 - 125	3	20
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125	0	20
Calcium	16		25.0	44.4		mg/L		115	75 - 125	2	20
Chromium	<0.0015		0.500	0.495		mg/L		99	75 - 125	0	20
Cobalt	0.0024	J	0.500	0.498		mg/L		99	75 - 125	3	20
Lead	<0.00017		0.500	0.502		mg/L		100	75 - 125	1	20
Lithium	0.0048	J	0.500	0.470		mg/L		93	75 - 125	0	20
Molybdenum	0.0012	J	0.500	0.531		mg/L		106	75 - 125	6	20
Selenium	<0.00074		1.00	0.932		mg/L		93	75 - 125	1	20
Thallium	<0.00047		1.00	0.994		mg/L		99	75 - 125	2	20
Sodium	28		25.0	53.0		mg/L		101	75 - 125	3	20
Potassium	3.7		25.0	28.5		mg/L		99	75 - 125	2	20
Magnesium	10		25.0	36.8		mg/L		106	75 - 125	6	20
Manganese	0.12		0.500	0.596		mg/L		94	75 - 125	0	20

Lab Sample ID: MB 180-388280/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:14	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:14	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:14	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:14	1

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

Lab Sample ID: MB 180-388280/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:14	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:14	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:14	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:14	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:14	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:14	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:14	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:14	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:14	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:14	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:14	1

Lab Sample ID: LCS 180-388280/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388280

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	0.956		mg/L		96	80 - 120
Barium	1.00	0.995		mg/L		99	80 - 120
Beryllium	0.500	0.495		mg/L		99	80 - 120
Boron	1.25	1.12		mg/L		89	80 - 120
Cadmium	0.500	0.488		mg/L		98	80 - 120
Calcium	25.0	28.0		mg/L		112	80 - 120
Chromium	0.500	0.491		mg/L		98	80 - 120
Cobalt	0.500	0.471		mg/L		94	80 - 120
Lead	0.500	0.497		mg/L		99	80 - 120
Lithium	0.500	0.479		mg/L		96	80 - 120
Molybdenum	0.500	0.519		mg/L		104	80 - 120
Selenium	1.00	0.968		mg/L		97	80 - 120
Thallium	1.00	0.999		mg/L		100	80 - 120
Sodium	25.0	24.4		mg/L		97	80 - 120
Potassium	25.0	24.4		mg/L		98	80 - 120
Magnesium	25.0	24.0		mg/L		96	80 - 120
Manganese	0.500	0.468		mg/L		94	80 - 120

Lab Sample ID: 180-133600-F-1-B MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.240		mg/L		96	75 - 125
Arsenic	<0.00028		1.00	0.954		mg/L		95	75 - 125
Barium	0.049		1.00	1.06		mg/L		101	75 - 125
Beryllium	<0.00027		0.500	0.509		mg/L		102	75 - 125
Boron	<0.060		1.25	1.16		mg/L		93	75 - 125

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

Lab Sample ID: 180-133600-F-1-B MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	<0.00022		0.500	0.500		mg/L		100	75 - 125
Calcium	4.7		25.0	33.1		mg/L		113	75 - 125
Chromium	0.0030		0.500	0.501		mg/L		100	75 - 125
Cobalt	0.0052		0.500	0.475		mg/L		94	75 - 125
Lead	<0.00017		0.500	0.509		mg/L		102	75 - 125
Lithium	0.0025	J	0.500	0.484		mg/L		96	75 - 125
Molybdenum	<0.00061		0.500	0.510		mg/L		102	75 - 125
Selenium	<0.00074		1.00	0.964		mg/L		96	75 - 125
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125
Sodium	5.0		25.0	29.8		mg/L		99	75 - 125
Potassium	0.39	J	25.0	25.6		mg/L		101	75 - 125
Magnesium	1.6		25.0	25.9		mg/L		97	75 - 125
Manganese	0.051		0.500	0.519		mg/L		94	75 - 125

Lab Sample ID: 180-133600-F-1-C MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.244		mg/L		97	75 - 125	1	20
Arsenic	<0.00028		1.00	0.993		mg/L		99	75 - 125	4	20
Barium	0.049		1.00	1.09		mg/L		104	75 - 125	2	20
Beryllium	<0.00027		0.500	0.516		mg/L		103	75 - 125	1	20
Boron	<0.060		1.25	1.23		mg/L		98	75 - 125	5	20
Cadmium	<0.00022		0.500	0.515		mg/L		103	75 - 125	3	20
Calcium	4.7		25.0	33.5		mg/L		115	75 - 125	1	20
Chromium	0.0030		0.500	0.513		mg/L		102	75 - 125	2	20
Cobalt	0.0052		0.500	0.495		mg/L		98	75 - 125	4	20
Lead	<0.00017		0.500	0.512		mg/L		102	75 - 125	1	20
Lithium	0.0025	J	0.500	0.477		mg/L		95	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.525		mg/L		105	75 - 125	3	20
Selenium	<0.00074		1.00	1.01		mg/L		101	75 - 125	5	20
Thallium	<0.00047		1.00	1.03		mg/L		103	75 - 125	1	20
Sodium	5.0		25.0	30.2		mg/L		101	75 - 125	1	20
Potassium	0.39	J	25.0	25.8		mg/L		102	75 - 125	1	20
Magnesium	1.6		25.0	26.8		mg/L		101	75 - 125	3	20
Manganese	0.051		0.500	0.535		mg/L		97	75 - 125	3	20

Lab Sample ID: MB 180-388283/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 15:48	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 15:48	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 15:48	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 15:48	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 15:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 15:48	1

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

Lab Sample ID: MB 180-388283/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 15:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 15:48	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 15:48	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 15:48	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 15:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 15:48	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 15:48	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 15:48	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 15:48	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 15:48	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 15:48	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 15:48	1

Lab Sample ID: LCS 180-388283/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.243		mg/L		97	80 - 120
Arsenic	1.00	0.989		mg/L		99	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Beryllium	0.500	0.504		mg/L		101	80 - 120
Boron	1.25	1.12		mg/L		89	80 - 120
Cadmium	0.500	0.516		mg/L		103	80 - 120
Calcium	25.0	28.7		mg/L		115	80 - 120
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Lead	0.500	0.519		mg/L		104	80 - 120
Lithium	0.500	0.479		mg/L		96	80 - 120
Molybdenum	0.500	0.537		mg/L		107	80 - 120
Selenium	1.00	0.988		mg/L		99	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Sodium	25.0	25.1		mg/L		100	80 - 120
Potassium	25.0	24.9		mg/L		100	80 - 120
Magnesium	25.0	25.0		mg/L		100	80 - 120
Manganese	0.500	0.495		mg/L		99	80 - 120

Lab Sample ID: 180-133461-K-5-B MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.246		mg/L		98	75 - 125
Arsenic	<0.00028		1.00	0.994		mg/L		99	75 - 125
Barium	0.098		1.00	1.19		mg/L		109	75 - 125
Beryllium	<0.00027		0.500	0.488		mg/L		98	75 - 125
Boron	<0.060		1.25	1.14		mg/L		91	75 - 125
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125
Calcium	91	F1	25.0	126	F1	mg/L		139	75 - 125

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

Lab Sample ID: 180-133461-K-5-B MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	<0.0015		0.500	0.510		mg/L		102	75 - 125
Cobalt	<0.00026		0.500	0.483		mg/L		97	75 - 125
Lead	0.00021	J	0.500	0.523		mg/L		104	75 - 125
Lithium	0.0049	J	0.500	0.507		mg/L		100	75 - 125
Molybdenum	<0.00061		0.500	0.558		mg/L		112	75 - 125
Selenium	<0.00074		1.00	1.01		mg/L		101	75 - 125
Thallium	<0.00047		1.00	1.04		mg/L		104	75 - 125
Sodium	3.6		25.0	29.3		mg/L		103	75 - 125
Potassium	1.6		25.0	27.3		mg/L		103	75 - 125
Magnesium	10		25.0	35.2		mg/L		100	75 - 125
Manganese	0.17		0.500	0.681		mg/L		102	75 - 125

Lab Sample ID: 180-133461-K-5-C MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.240		mg/L		96	75 - 125	2	20
Arsenic	<0.00028		1.00	0.967		mg/L		97	75 - 125	3	20
Barium	0.098		1.00	1.14		mg/L		104	75 - 125	4	20
Beryllium	<0.00027		0.500	0.487		mg/L		97	75 - 125	0	20
Boron	<0.060		1.25	1.17		mg/L		93	75 - 125	3	20
Cadmium	<0.00022		0.500	0.499		mg/L		100	75 - 125	4	20
Calcium	91	F1	25.0	117		mg/L		102	75 - 125	8	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	2	20
Cobalt	<0.00026		0.500	0.472		mg/L		94	75 - 125	2	20
Lead	0.00021	J	0.500	0.504		mg/L		101	75 - 125	4	20
Lithium	0.0049	J	0.500	0.505		mg/L		100	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.521		mg/L		104	75 - 125	7	20
Selenium	<0.00074		1.00	0.935		mg/L		94	75 - 125	7	20
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125	2	20
Sodium	3.6		25.0	28.2		mg/L		99	75 - 125	4	20
Potassium	1.6		25.0	26.4		mg/L		99	75 - 125	4	20
Magnesium	10		25.0	33.4		mg/L		93	75 - 125	5	20
Manganese	0.17		0.500	0.637		mg/L		93	75 - 125	7	20

Lab Sample ID: MB 180-388754/1-A
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/18/22 10:40	02/22/22 13:18	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/18/22 10:40	02/22/22 13:18	1
Barium	<0.0031		0.010	0.0031	mg/L		02/18/22 10:40	02/22/22 13:18	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/18/22 10:40	02/22/22 13:18	1
Boron	<0.060		0.080	0.060	mg/L		02/18/22 10:40	02/22/22 13:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/18/22 10:40	02/22/22 13:18	1
Calcium	<0.13		0.50	0.13	mg/L		02/18/22 10:40	02/22/22 13:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/18/22 10:40	02/22/22 13:18	1

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

Lab Sample ID: MB 180-388754/1-A
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/18/22 10:40	02/22/22 13:18	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/18/22 10:40	02/22/22 13:18	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/18/22 10:40	02/22/22 13:18	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/18/22 10:40	02/22/22 13:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/18/22 10:40	02/22/22 13:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/18/22 10:40	02/22/22 13:18	1
Sodium	<0.18		0.50	0.18	mg/L		02/18/22 10:40	02/22/22 13:18	1
Potassium	<0.16		0.50	0.16	mg/L		02/18/22 10:40	02/22/22 13:18	1
Magnesium	<0.050		0.50	0.050	mg/L		02/18/22 10:40	02/22/22 13:18	1
Manganese	0.00149	J	0.0050	0.0013	mg/L		02/18/22 10:40	02/22/22 13:18	1

Lab Sample ID: LCS 180-388754/2-A
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.250		mg/L		100	80 - 120
Arsenic	1.00	1.00		mg/L		100	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	1.20		mg/L		96	80 - 120
Cadmium	0.500	0.514		mg/L		103	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.505		mg/L		101	80 - 120
Cobalt	0.500	0.508		mg/L		102	80 - 120
Lead	0.500	0.509		mg/L		102	80 - 120
Lithium	0.500	0.518		mg/L		104	80 - 120
Molybdenum	0.500	0.511		mg/L		102	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Sodium	25.0	26.0		mg/L		104	80 - 120
Potassium	25.0	26.2		mg/L		105	80 - 120
Magnesium	25.0	25.5		mg/L		102	80 - 120
Manganese	0.500	0.501		mg/L		100	80 - 120

Lab Sample ID: 180-133800-E-3-B MS
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.253		mg/L		101	75 - 125
Arsenic	0.00042	J	1.00	1.05		mg/L		105	75 - 125
Barium	0.040		1.00	1.09		mg/L		105	75 - 125
Beryllium	0.00066	J	0.500	0.521		mg/L		104	75 - 125
Boron	0.076	J	1.25	1.26		mg/L		95	75 - 125
Cadmium	0.00065	J	0.500	0.533		mg/L		106	75 - 125
Calcium	20		25.0	48.4		mg/L		115	75 - 125
Chromium	<0.0015		0.500	0.516		mg/L		103	75 - 125
Cobalt	0.0076		0.500	0.532		mg/L		105	75 - 125

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

Lab Sample ID: 180-133800-E-3-B MS
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.00049	J	0.500	0.523		mg/L		105	75 - 125
Lithium	0.0050		0.500	0.518		mg/L		103	75 - 125
Molybdenum	<0.00061		0.500	0.532		mg/L		106	75 - 125
Selenium	0.0010	J	1.00	1.03		mg/L		102	75 - 125
Thallium	<0.00047		1.00	1.05		mg/L		105	75 - 125
Sodium	12		25.0	36.6		mg/L		99	75 - 125
Potassium	1.9		25.0	27.8		mg/L		103	75 - 125
Magnesium	4.1		25.0	29.6		mg/L		102	75 - 125
Manganese	0.22	B	0.500	0.738		mg/L		104	75 - 125

Lab Sample ID: 180-133800-E-3-C MSD
Matrix: Water
Analysis Batch: 389218

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.244		mg/L		98	75 - 125	4	20
Arsenic	0.00042	J	1.00	1.01		mg/L		101	75 - 125	4	20
Barium	0.040		1.00	1.04		mg/L		100	75 - 125	4	20
Beryllium	0.00066	J	0.500	0.501		mg/L		100	75 - 125	4	20
Boron	0.076	J	1.25	1.29		mg/L		97	75 - 125	3	20
Cadmium	0.00065	J	0.500	0.509		mg/L		102	75 - 125	5	20
Calcium	20		25.0	46.7		mg/L		108	75 - 125	4	20
Chromium	<0.0015		0.500	0.499		mg/L		100	75 - 125	3	20
Cobalt	0.0076		0.500	0.514		mg/L		101	75 - 125	3	20
Lead	0.00049	J	0.500	0.508		mg/L		101	75 - 125	3	20
Lithium	0.0050		0.500	0.501		mg/L		99	75 - 125	3	20
Molybdenum	<0.00061		0.500	0.510		mg/L		102	75 - 125	4	20
Selenium	0.0010	J	1.00	0.983		mg/L		98	75 - 125	4	20
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125	3	20
Sodium	12		25.0	36.3		mg/L		98	75 - 125	1	20
Potassium	1.9		25.0	27.4		mg/L		102	75 - 125	1	20
Magnesium	4.1		25.0	29.1		mg/L		100	75 - 125	2	20
Manganese	0.22	B	0.500	0.715		mg/L		99	75 - 125	3	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-388493/1-A
Matrix: Water
Analysis Batch: 389466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/16/22 11:34	02/24/22 13:35	1

Lab Sample ID: LCS 180-388493/2-A
Matrix: Water
Analysis Batch: 389466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00254		mg/L		101	80 - 120

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

Lab Sample ID: 180-133600-F-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389466 — **Prep Batch: 388493**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00022		0.00100	0.00122		mg/L		100	75 - 125

Lab Sample ID: 180-133600-F-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389466 — **Prep Batch: 388493**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00022		0.00100	0.00119		mg/L		97	75 - 125	2	20

Lab Sample ID: MB 180-388494/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388686 — **Prep Batch: 388494**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/16/22 11:35	02/17/22 14:07	1

Lab Sample ID: LCS 180-388494/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388686 — **Prep Batch: 388494**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00245		mg/L		98	80 - 120

Lab Sample ID: 180-133638-1 MS — **Client Sample ID: SGWC-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388686 — **Prep Batch: 388494**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.000896		mg/L		90	75 - 125

Lab Sample ID: 180-133638-1 MSD — **Client Sample ID: SGWC-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388686 — **Prep Batch: 388494**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000961		mg/L		96	75 - 125	7	20

Lab Sample ID: MB 180-388987/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389210 — **Prep Batch: 388987**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:00	1

Lab Sample ID: MB 180-388987/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389330 — **Prep Batch: 388987**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/21/22 12:01	02/23/22 14:41	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: LCS 180-388987/2-A
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00385	^3+ ^+ *+	mg/L		154	80 - 120

Lab Sample ID: LCS 180-388987/2-A
Matrix: Water
Analysis Batch: 389330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388987

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: 680-211038-D-7-C MSD
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013	F1 ^3+ ^+ *+	0.00100	0.00152	F1 ^3+ ^+	mg/L		152	75 - 125	2	20

Lab Sample ID: 680-211038-D-7-D MS
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013	F1 ^3+ ^+ *+	0.00100	0.00148	F1 ^3+ ^+	mg/L		148	75 - 125

Lab Sample ID: MB 180-389217/1-A
Matrix: Water
Analysis Batch: 389330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/23/22 06:04	02/23/22 12:59	1

Lab Sample ID: LCS 180-389217/2-A
Matrix: Water
Analysis Batch: 389330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00254		mg/L		102	80 - 120

Lab Sample ID: 180-133581-E-2-D MS
Matrix: Water
Analysis Batch: 389330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 389217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00101		mg/L		101	75 - 125

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

Lab Sample ID: 180-133581-E-2-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389330 — **Prep Batch: 389217**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00101		mg/L		101	75 - 125	0	20

Lab Sample ID: MB 180-389777/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389986 — **Prep Batch: 389777**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/28/22 11:26	03/01/22 16:46	1

Lab Sample ID: LCS 180-389777/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389986 — **Prep Batch: 389777**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00259		mg/L		104	80 - 120

Lab Sample ID: 180-133800-E-3-E MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389986 — **Prep Batch: 389777**

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

Lab Sample ID: 180-133800-E-3-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389986 — **Prep Batch: 389777**

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

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

Lab Sample ID: MB 180-388278/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388385 — **Prep Batch: 388278**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 13:47	1

Lab Sample ID: LCS 180-388278/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388385 — **Prep Batch: 388278**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	13.1	12.6		mg/L		97	85 - 115

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 180-133613-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388385 — **Prep Batch: 388278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<2.1		13.1	12.1		mg/L		93	75 - 125

Lab Sample ID: 180-133613-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388385 — **Prep Batch: 388278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		13.1	12.4		mg/L		95	75 - 125	3	20

Lab Sample ID: MB 180-388545/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388646 — **Prep Batch: 388545**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.44	J	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 12:27	1

Lab Sample ID: LCS 180-388545/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388646 — **Prep Batch: 388545**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	13.1	11.9		mg/L		91	85 - 115

Lab Sample ID: 180-133638-4 MS — **Client Sample ID: SGWC-12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388646 — **Prep Batch: 388545**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<2.1		13.1	13.8		mg/L		105	75 - 125

Lab Sample ID: 180-133638-4 MSD — **Client Sample ID: SGWC-12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388646 — **Prep Batch: 388545**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		13.1	14.3		mg/L		109	75 - 125	3	20

Lab Sample ID: MB 180-388548/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388648 — **Prep Batch: 388548**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 12:30	1

Lab Sample ID: LCS 180-388548/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388648 — **Prep Batch: 388548**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	13.1	12.1		mg/L		92	85 - 115

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

Lab Sample ID: 180-133020-J-11-B MS
Matrix: Water
Analysis Batch: 388648

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	<2.1		13.1	14.0		mg/L		106	75 - 125		

Lab Sample ID: 180-133020-J-11-C MSD
Matrix: Water
Analysis Batch: 388648

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388548

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		13.1	13.2		mg/L		101	75 - 125	6	20

Lab Sample ID: MB 180-388864/1-A
Matrix: Water
Analysis Batch: 388874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/19/22 12:00	02/19/22 14:00	1

Lab Sample ID: LCS 180-388864/2-A
Matrix: Water
Analysis Batch: 388874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			17.8	15.2		mg/L		86	85 - 115		

Lab Sample ID: 180-133781-1 MS
Matrix: Water
Analysis Batch: 388874

Client Sample ID: SGWC-14
Prep Type: Total/NA
Prep Batch: 388864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	<2.1		17.8	15.3		mg/L		86	75 - 125		

Lab Sample ID: 180-133781-1 MSD
Matrix: Water
Analysis Batch: 388874

Client Sample ID: SGWC-14
Prep Type: Total/NA
Prep Batch: 388864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		17.8	15.7		mg/L		88	75 - 125	2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-388388/2
Matrix: Water
Analysis Batch: 388388

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/15/22 16:29	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 180-388388/1
Matrix: Water
Analysis Batch: 388388

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			150	132		mg/L		88	85 - 115		

Lab Sample ID: 180-133504-C-6 DU
Matrix: Water
Analysis Batch: 388388

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	540			713	F3	mg/L				29	10

Lab Sample ID: 180-133602-1 DU
Matrix: Water
Analysis Batch: 388388

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	45			42.0		mg/L				7	10

Lab Sample ID: MB 180-388397/2
Matrix: Water
Analysis Batch: 388397

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/15/22 18:10	1

Lab Sample ID: LCS 180-388397/1
Matrix: Water
Analysis Batch: 388397

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			469	460		mg/L		98	85 - 115		

Lab Sample ID: 180-133602-3 DU
Matrix: Water
Analysis Batch: 388397

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	54			51.0		mg/L				6	10

Lab Sample ID: 180-133634-A-21 DU
Matrix: Water
Analysis Batch: 388397

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	36			38.0		mg/L				5	10

Lab Sample ID: MB 180-388541/2
Matrix: Water
Analysis Batch: 388541

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/16/22 16:17	1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: LCS 180-388541/1
Matrix: Water
Analysis Batch: 388541

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			469	452		mg/L		96	85 - 115		

Lab Sample ID: 180-133638-11 DU
Matrix: Water
Analysis Batch: 388541

Client Sample ID: FB-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10			<10		mg/L				NC	10

Lab Sample ID: MB 180-388543/2
Matrix: Water
Analysis Batch: 388543

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/16/22 16:25	1

Lab Sample ID: LCS 180-388543/1
Matrix: Water
Analysis Batch: 388543

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			469	452		mg/L		96	85 - 115		

Lab Sample ID: 180-133612-U-4 DU
Matrix: Water
Analysis Batch: 388543

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	590			592		mg/L				0.5	10

Lab Sample ID: MB 180-388694/2
Matrix: Water
Analysis Batch: 388694

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/17/22 16:30	1

Lab Sample ID: LCS 180-388694/1
Matrix: Water
Analysis Batch: 388694

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			469	476		mg/L		101	85 - 115		

Lab Sample ID: 180-133612-A-1 DU
Matrix: Water
Analysis Batch: 388694

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	10000			10000		mg/L				0.05	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-388814/2
Matrix: Water
Analysis Batch: 388814

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/22 15:20	1

Lab Sample ID: LCS 180-388814/1
Matrix: Water
Analysis Batch: 388814

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	469	422		mg/L		90	85 - 115

Lab Sample ID: 180-133777-C-1 DU
Matrix: Water
Analysis Batch: 388814

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	240		233		mg/L		0.9	10

Lab Sample ID: MB 180-388829/2
Matrix: Water
Analysis Batch: 388829

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/22 18:15	1

Lab Sample ID: LCS 180-388829/1
Matrix: Water
Analysis Batch: 388829

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	469	436		mg/L		93	85 - 115

Lab Sample ID: 180-133869-A-13 DU
Matrix: Water
Analysis Batch: 388829

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	79		74.0		mg/L		7	10

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 460-829718/37
Matrix: Water
Analysis Batch: 829718

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 17:41	1

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: LCS 460-829718/38
Matrix: Water
Analysis Batch: 829718

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.500	0.494		mg/L		99	85 - 115

Lab Sample ID: MRL 460-829718/11
Matrix: Water
Analysis Batch: 829718

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.100	0.111		mg/L		111	50 - 150

Lab Sample ID: 180-133602-1 MS
Matrix: Water
Analysis Batch: 829718

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
Ferrous Iron	<0.081	HF	2.00	2.19		mg/L		110	85 - 115

Lab Sample ID: 180-133602-1 MSD
Matrix: Water
Analysis Batch: 829718

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
Ferrous Iron	<0.081	HF	2.00	2.13		mg/L		106	85 - 115	3	12

Lab Sample ID: MB 460-829723/35
Matrix: Water
Analysis Batch: 829723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 19:25	1

Lab Sample ID: MB 460-829723/4
Matrix: Water
Analysis Batch: 829723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 18:52	1

Lab Sample ID: LCS 460-829723/36
Matrix: Water
Analysis Batch: 829723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.500	0.456		mg/L		91	85 - 115

Lab Sample ID: LCS 460-829723/5
Matrix: Water
Analysis Batch: 829723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.500	0.472		mg/L		94	85 - 115

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MRL 460-829723/3
Matrix: Water
Analysis Batch: 829723

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ferrous Iron			0.100	<0.081		mg/L		62	50 - 150		

Lab Sample ID: 180-133638-1 MS
Matrix: Water
Analysis Batch: 829723

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ferrous Iron	<0.081	HF	2.00	1.98		mg/L		99	85 - 115		

Lab Sample ID: 180-133638-1 MSD
Matrix: Water
Analysis Batch: 829723

Client Sample ID: SGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	<0.081	HF	2.00	1.99		mg/L		99	85 - 115	0	12

Lab Sample ID: 180-133781-1 MS
Matrix: Water
Analysis Batch: 829723

Client Sample ID: SGWC-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ferrous Iron	<0.081	HF	2.00	1.98		mg/L		99	85 - 115		

Lab Sample ID: 180-133781-1 MSD
Matrix: Water
Analysis Batch: 829723

Client Sample ID: SGWC-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	<0.081	HF	2.00	2.00		mg/L		100	85 - 115	1	12

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-388836/29
Matrix: Water
Analysis Batch: 388836

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			02/17/22 16:11	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 16:11	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 16:11	1

Lab Sample ID: MB 180-388836/53
Matrix: Water
Analysis Batch: 388836

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			02/17/22 18:59	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 18:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 18:59	1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-388836/77
Matrix: Water
Analysis Batch: 388836

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			02/17/22 21:41	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:41	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:41	1

Lab Sample ID: LCS 180-388836/52
Matrix: Water
Analysis Batch: 388836

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	265	259		mg/L		98	90 - 110

Lab Sample ID: LCS 180-388836/76
Matrix: Water
Analysis Batch: 388836

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	265	242		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-388836/51
Matrix: Water
Analysis Batch: 388836

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	15.9	14.3		mg/L		90	75 - 125

Lab Sample ID: LLCS 180-388836/75
Matrix: Water
Analysis Batch: 388836

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	15.9	14.6		mg/L		92	75 - 125

Lab Sample ID: 180-133602-2 DU
Matrix: Water
Analysis Batch: 388836

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	59		59.0		mg/L		0.8	20
Bicarbonate Alkalinity as CaCO3	59		59.0		mg/L		0.8	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-133602-11 DU
Matrix: Water
Analysis Batch: 388836

Client Sample ID: DUP-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	120		118		mg/L		0.05	20
Bicarbonate Alkalinity as CaCO3	120		118		mg/L		0.05	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-389075/30
Matrix: Water
Analysis Batch: 389075

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			02/19/22 14:42	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 14:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 14:42	1

Lab Sample ID: MB 180-389075/54
Matrix: Water
Analysis Batch: 389075

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			02/19/22 17:39	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 17:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 17:39	1

Lab Sample ID: MB 180-389075/6
Matrix: Water
Analysis Batch: 389075

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			02/19/22 12:01	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:01	1

Lab Sample ID: MB 180-389075/78
Matrix: Water
Analysis Batch: 389075

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			02/19/22 20:34	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:34	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 20:34	1

Lab Sample ID: LCS 180-389075/5
Matrix: Water
Analysis Batch: 389075

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	265	258		mg/L		98	90 - 110

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LCS 180-389075/53
Matrix: Water
Analysis Batch: 389075

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	265	244		mg/L		92	90 - 110

Lab Sample ID: LCS 180-389075/77
Matrix: Water
Analysis Batch: 389075

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	265	250		mg/L		95	90 - 110

Lab Sample ID: LLCS 180-389075/4
Matrix: Water
Analysis Batch: 389075

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	15.9	15.4		mg/L		97	75 - 125

Lab Sample ID: LLCS 180-389075/52
Matrix: Water
Analysis Batch: 389075

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	15.9	15.0		mg/L		94	75 - 125

Lab Sample ID: LLCS 180-389075/76
Matrix: Water
Analysis Batch: 389075

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	15.9	14.4		mg/L		91	75 - 125

Lab Sample ID: 180-133638-1 DU
Matrix: Water
Analysis Batch: 389075

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	230		230		mg/L		1	20
Bicarbonate Alkalinity as CaCO3	230		230		mg/L		1	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: 180-133638-6 DU
Matrix: Water
Analysis Batch: 389075

Client Sample ID: SGWC-18
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

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-133638-6 DU
Matrix: Water
Analysis Batch: 389075

Client Sample ID: SGWC-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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: 180-133644-4 DU
Matrix: Water
Analysis Batch: 389075

Client Sample ID: SGWC-20
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 180-389234/30
Matrix: Water
Analysis Batch: 389234

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			02/22/22 18:58	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/22 18:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/22 18:58	1

Lab Sample ID: MB 180-389234/6
Matrix: Water
Analysis Batch: 389234

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			02/22/22 16:08	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/22 16:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/22 16:08	1

Lab Sample ID: LCS 180-389234/29
Matrix: Water
Analysis Batch: 389234

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			265	260		mg/L		98	90 - 110		

Lab Sample ID: LLCS 180-389234/28
Matrix: Water
Analysis Batch: 389234

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			15.9	14.9		mg/L		94	75 - 125		

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-133781-1 DU
Matrix: Water
Analysis Batch: 389234

Client Sample ID: SGWC-14
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	15			14.9		mg/L				3	20
Bicarbonate Alkalinity as CaCO3	15			14.9		mg/L				3	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

HPLC/IC

Analysis Batch: 388042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-133602-2	SGWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-133602-3	SGWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-133602-4	SGWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-133602-5	SGWA-5	Total/NA	Water	EPA 300.0 R2.1	
180-133602-6	SGWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-133602-7	SGWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-133602-8	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-133602-9	EB-2	Total/NA	Water	EPA 300.0 R2.1	
180-133602-10	SGWA-25	Total/NA	Water	EPA 300.0 R2.1	
180-133602-11	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388042/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388042/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133602-1 MS	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-133602-1 MSD	SGWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-133602-11 MS	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
180-133602-11 MSD	DUP-2	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-133644-2	SGWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-133644-3	SGWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-133644-4	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-133644-5	SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-133644-6	SGWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-133644-7	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-133644-7	SGWC-19	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388136/51	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388136/50	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133644-1 MS	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-133644-1 MSD	SGWC-10	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-133638-2	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-133638-3	SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-133638-4	SGWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-133638-5	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-133638-6	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-133638-6	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-133638-7	SGWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-133638-8	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-133638-9	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-133638-10	EB-3	Total/NA	Water	EPA 300.0 R2.1	
180-133638-11	FB-3	Total/NA	Water	EPA 300.0 R2.1	
180-133638-12	DUP-3	Total/NA	Water	EPA 300.0 R2.1	
180-133638-12	DUP-3	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388140/43	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388140/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	

HPLC/IC (Continued)

Analysis Batch: 388140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-388140/42	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388140/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133638-1 MS	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-133638-1 MSD	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-133638-2	SGWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-133638-4	SGWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-133638-5	SGWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-133638-6	SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-133638-8	SGWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-133638-9	SGWA-24	Total/NA	Water	EPA 300.0 R2.1	
180-133638-12	DUP-3	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388265/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388265/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133638-1 MS	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-133638-1 MSD	SGWC-8	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-4	SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388566/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388566/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133748-B-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-133748-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 390650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 390803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 388279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-7	SGWC-7	Total Recoverable	Water	3005A	
180-133602-8	FB-2	Total Recoverable	Water	3005A	
180-133602-9	EB-2	Total Recoverable	Water	3005A	
180-133602-10	SGWA-25	Total Recoverable	Water	3005A	
180-133602-11	DUP-2	Total Recoverable	Water	3005A	
180-133638-1	SGWC-8	Total Recoverable	Water	3005A	
180-133638-2	SGWC-9	Total Recoverable	Water	3005A	
180-133638-3	SGWC-11	Total Recoverable	Water	3005A	
180-133638-4	SGWC-12	Total Recoverable	Water	3005A	
180-133638-5	SGWC-16	Total Recoverable	Water	3005A	
180-133638-6	SGWC-18	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 388279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-7	SGWC-22	Total Recoverable	Water	3005A	
MB 180-388279/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388279/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133602-7 MS	SGWC-7	Total Recoverable	Water	3005A	
180-133602-7 MSD	SGWC-7	Total Recoverable	Water	3005A	

Prep Batch: 388280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total Recoverable	Water	3005A	
180-133602-2	SGWA-2	Total Recoverable	Water	3005A	
180-133602-3	SGWA-3	Total Recoverable	Water	3005A	
180-133602-4	SGWA-4	Total Recoverable	Water	3005A	
180-133602-5	SGWA-5	Total Recoverable	Water	3005A	
180-133602-6	SGWC-6	Total Recoverable	Water	3005A	
MB 180-388280/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388280/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133600-F-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-133600-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 388283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-8	SGWC-23	Total Recoverable	Water	3005A	
180-133638-9	SGWA-24	Total Recoverable	Water	3005A	
180-133638-10	EB-3	Total Recoverable	Water	3005A	
180-133638-11	FB-3	Total Recoverable	Water	3005A	
180-133638-12	DUP-3	Total Recoverable	Water	3005A	
180-133644-1	SGWC-10	Total Recoverable	Water	3005A	
180-133644-2	SGWC-17	Total Recoverable	Water	3005A	
180-133644-3	SGWC-21	Total Recoverable	Water	3005A	
180-133644-4	SGWC-20	Total Recoverable	Water	3005A	
180-133644-5	SGWC-15	Total Recoverable	Water	3005A	
180-133644-6	SGWC-13	Total Recoverable	Water	3005A	
180-133644-7	SGWC-19	Total Recoverable	Water	3005A	
MB 180-388283/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388283/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133461-K-5-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-133461-K-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 388493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	7470A	
180-133602-2	SGWA-2	Total/NA	Water	7470A	
180-133602-3	SGWA-3	Total/NA	Water	7470A	
180-133602-4	SGWA-4	Total/NA	Water	7470A	
180-133602-5	SGWA-5	Total/NA	Water	7470A	
180-133602-6	SGWC-6	Total/NA	Water	7470A	
180-133602-7	SGWC-7	Total/NA	Water	7470A	
180-133602-8	FB-2	Total/NA	Water	7470A	
180-133602-9	EB-2	Total/NA	Water	7470A	
180-133602-10	SGWA-25	Total/NA	Water	7470A	
MB 180-388493/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 388493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-388493/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133600-F-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-133600-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 388494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-11	DUP-2	Total/NA	Water	7470A	
180-133638-1	SGWC-8	Total/NA	Water	7470A	
180-133638-2	SGWC-9	Total/NA	Water	7470A	
180-133638-3	SGWC-11	Total/NA	Water	7470A	
180-133638-4	SGWC-12	Total/NA	Water	7470A	
180-133638-5	SGWC-16	Total/NA	Water	7470A	
MB 180-388494/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-388494/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133638-1 MS	SGWC-8	Total/NA	Water	7470A	
180-133638-1 MSD	SGWC-8	Total/NA	Water	7470A	

Analysis Batch: 388563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total Recoverable	Water	EPA 6020B	388280
180-133602-2	SGWA-2	Total Recoverable	Water	EPA 6020B	388280
180-133602-3	SGWA-3	Total Recoverable	Water	EPA 6020B	388280
180-133602-4	SGWA-4	Total Recoverable	Water	EPA 6020B	388280
180-133602-5	SGWA-5	Total Recoverable	Water	EPA 6020B	388280
180-133602-6	SGWC-6	Total Recoverable	Water	EPA 6020B	388280
180-133602-7	SGWC-7	Total Recoverable	Water	EPA 6020B	388279
180-133602-8	FB-2	Total Recoverable	Water	EPA 6020B	388279
180-133602-9	EB-2	Total Recoverable	Water	EPA 6020B	388279
180-133602-10	SGWA-25	Total Recoverable	Water	EPA 6020B	388279
180-133602-11	DUP-2	Total Recoverable	Water	EPA 6020B	388279
180-133638-1	SGWC-8	Total Recoverable	Water	EPA 6020B	388279
180-133638-2	SGWC-9	Total Recoverable	Water	EPA 6020B	388279
180-133638-3	SGWC-11	Total Recoverable	Water	EPA 6020B	388279
180-133638-4	SGWC-12	Total Recoverable	Water	EPA 6020B	388279
180-133638-5	SGWC-16	Total Recoverable	Water	EPA 6020B	388279
180-133638-6	SGWC-18	Total Recoverable	Water	EPA 6020B	388279
180-133638-7	SGWC-22	Total Recoverable	Water	EPA 6020B	388279
180-133638-8	SGWC-23	Total Recoverable	Water	EPA 6020B	388283
180-133638-9	SGWA-24	Total Recoverable	Water	EPA 6020B	388283
180-133638-10	EB-3	Total Recoverable	Water	EPA 6020B	388283
180-133638-11	FB-3	Total Recoverable	Water	EPA 6020B	388283
180-133638-12	DUP-3	Total Recoverable	Water	EPA 6020B	388283
180-133644-1	SGWC-10	Total Recoverable	Water	EPA 6020B	388283
180-133644-2	SGWC-17	Total Recoverable	Water	EPA 6020B	388283
180-133644-3	SGWC-21	Total Recoverable	Water	EPA 6020B	388283
180-133644-4	SGWC-20	Total Recoverable	Water	EPA 6020B	388283
180-133644-5	SGWC-15	Total Recoverable	Water	EPA 6020B	388283
180-133644-6	SGWC-13	Total Recoverable	Water	EPA 6020B	388283
180-133644-7	SGWC-19	Total Recoverable	Water	EPA 6020B	388283
MB 180-388279/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388279
MB 180-388280/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388280

Metals (Continued)

Analysis Batch: 388563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-388283/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388283
LCS 180-388279/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388279
LCS 180-388280/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388280
LCS 180-388283/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388283
180-133461-K-5-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	388283
180-133461-K-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	388283
180-133600-F-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	388280
180-133600-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	388280
180-133602-7 MS	SGWC-7	Total Recoverable	Water	EPA 6020B	388279
180-133602-7 MSD	SGWC-7	Total Recoverable	Water	EPA 6020B	388279

Analysis Batch: 388686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-11	DUP-2	Total/NA	Water	EPA 7470A	388494
180-133638-1	SGWC-8	Total/NA	Water	EPA 7470A	388494
180-133638-2	SGWC-9	Total/NA	Water	EPA 7470A	388494
180-133638-3	SGWC-11	Total/NA	Water	EPA 7470A	388494
180-133638-4	SGWC-12	Total/NA	Water	EPA 7470A	388494
180-133638-5	SGWC-16	Total/NA	Water	EPA 7470A	388494
MB 180-388494/1-A	Method Blank	Total/NA	Water	EPA 7470A	388494
LCS 180-388494/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388494
180-133638-1 MS	SGWC-8	Total/NA	Water	EPA 7470A	388494
180-133638-1 MSD	SGWC-8	Total/NA	Water	EPA 7470A	388494

Prep Batch: 388754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total Recoverable	Water	3005A	
MB 180-388754/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388754/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133800-E-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-133800-E-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 388987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-6	SGWC-18	Total/NA	Water	7470A	
180-133638-7	SGWC-22	Total/NA	Water	7470A	
180-133638-8	SGWC-23	Total/NA	Water	7470A	
180-133638-9	SGWA-24	Total/NA	Water	7470A	
180-133638-10	EB-3	Total/NA	Water	7470A	
180-133638-11	FB-3	Total/NA	Water	7470A	
180-133638-12	DUP-3	Total/NA	Water	7470A	
MB 180-388987/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-388987/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-211038-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
680-211038-D-7-D MS	Matrix Spike	Total/NA	Water	7470A	

Analysis Batch: 389210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-7	SGWC-22	Total/NA	Water	EPA 7470A	388987
180-133638-8	SGWC-23	Total/NA	Water	EPA 7470A	388987
180-133638-9	SGWA-24	Total/NA	Water	EPA 7470A	388987

Metals (Continued)

Analysis Batch: 389210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-10	EB-3	Total/NA	Water	EPA 7470A	388987
180-133638-11	FB-3	Total/NA	Water	EPA 7470A	388987
MB 180-388987/1-A	Method Blank	Total/NA	Water	EPA 7470A	388987
LCS 180-388987/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388987
680-211038-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	388987
680-211038-D-7-D MS	Matrix Spike	Total/NA	Water	EPA 7470A	388987

Prep Batch: 389217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	7470A	
180-133644-2	SGWC-17	Total/NA	Water	7470A	
180-133644-3	SGWC-21	Total/NA	Water	7470A	
180-133644-4	SGWC-20	Total/NA	Water	7470A	
180-133644-5	SGWC-15	Total/NA	Water	7470A	
180-133644-6	SGWC-13	Total/NA	Water	7470A	
180-133644-7	SGWC-19	Total/NA	Water	7470A	
MB 180-389217/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-389217/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133581-E-2-D MS	Matrix Spike	Total/NA	Water	7470A	
180-133581-E-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 389218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total Recoverable	Water	EPA 6020B	388754
MB 180-388754/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388754
LCS 180-388754/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388754
180-133800-E-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	388754
180-133800-E-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	388754

Analysis Batch: 389330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-6	SGWC-18	Total/NA	Water	EPA 7470A	388987
180-133638-12	DUP-3	Total/NA	Water	EPA 7470A	388987
180-133644-1	SGWC-10	Total/NA	Water	EPA 7470A	389217
180-133644-2	SGWC-17	Total/NA	Water	EPA 7470A	389217
180-133644-3	SGWC-21	Total/NA	Water	EPA 7470A	389217
180-133644-4	SGWC-20	Total/NA	Water	EPA 7470A	389217
180-133644-5	SGWC-15	Total/NA	Water	EPA 7470A	389217
180-133644-6	SGWC-13	Total/NA	Water	EPA 7470A	389217
180-133644-7	SGWC-19	Total/NA	Water	EPA 7470A	389217
MB 180-388987/1-A	Method Blank	Total/NA	Water	EPA 7470A	388987
MB 180-389217/1-A	Method Blank	Total/NA	Water	EPA 7470A	389217
LCS 180-388987/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388987
LCS 180-389217/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	389217
180-133581-E-2-D MS	Matrix Spike	Total/NA	Water	EPA 7470A	389217
180-133581-E-2-E MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	389217

Analysis Batch: 389466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	EPA 7470A	388493
180-133602-2	SGWA-2	Total/NA	Water	EPA 7470A	388493

Metals (Continued)

Analysis Batch: 389466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-3	SGWA-3	Total/NA	Water	EPA 7470A	388493
180-133602-4	SGWA-4	Total/NA	Water	EPA 7470A	388493
180-133602-5	SGWA-5	Total/NA	Water	EPA 7470A	388493
180-133602-6	SGWC-6	Total/NA	Water	EPA 7470A	388493
180-133602-7	SGWC-7	Total/NA	Water	EPA 7470A	388493
180-133602-8	FB-2	Total/NA	Water	EPA 7470A	388493
180-133602-9	EB-2	Total/NA	Water	EPA 7470A	388493
180-133602-10	SGWA-25	Total/NA	Water	EPA 7470A	388493
MB 180-388493/1-A	Method Blank	Total/NA	Water	EPA 7470A	388493
LCS 180-388493/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388493
180-133600-F-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	388493
180-133600-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	388493

Prep Batch: 389777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	7470A	
MB 180-389777/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-389777/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133800-E-3-E MS	Matrix Spike	Total/NA	Water	7470A	
180-133800-E-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 389986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	EPA 7470A	389777
MB 180-389777/1-A	Method Blank	Total/NA	Water	EPA 7470A	389777
LCS 180-389777/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	389777
180-133800-E-3-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	389777
180-133800-E-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	389777

General Chemistry

Prep Batch: 388278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	9030B	
180-133602-2	SGWA-2	Total/NA	Water	9030B	
180-133602-3	SGWA-3	Total/NA	Water	9030B	
180-133602-4	SGWA-4	Total/NA	Water	9030B	
180-133602-5	SGWA-5	Total/NA	Water	9030B	
180-133602-6	SGWC-6	Total/NA	Water	9030B	
180-133602-7	SGWC-7	Total/NA	Water	9030B	
180-133602-8	FB-2	Total/NA	Water	9030B	
180-133602-9	EB-2	Total/NA	Water	9030B	
180-133602-10	SGWA-25	Total/NA	Water	9030B	
180-133602-11	DUP-2	Total/NA	Water	9030B	
MB 180-388278/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388278/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133613-A-1-B MS	Matrix Spike	Total/NA	Water	9030B	
180-133613-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	

General Chemistry

Analysis Batch: 388385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	EPA 9034	388278
180-133602-2	SGWA-2	Total/NA	Water	EPA 9034	388278
180-133602-3	SGWA-3	Total/NA	Water	EPA 9034	388278
180-133602-4	SGWA-4	Total/NA	Water	EPA 9034	388278
180-133602-5	SGWA-5	Total/NA	Water	EPA 9034	388278
180-133602-6	SGWC-6	Total/NA	Water	EPA 9034	388278
180-133602-7	SGWC-7	Total/NA	Water	EPA 9034	388278
180-133602-8	FB-2	Total/NA	Water	EPA 9034	388278
180-133602-9	EB-2	Total/NA	Water	EPA 9034	388278
180-133602-10	SGWA-25	Total/NA	Water	EPA 9034	388278
180-133602-11	DUP-2	Total/NA	Water	EPA 9034	388278
MB 180-388278/1-A	Method Blank	Total/NA	Water	EPA 9034	388278
LCS 180-388278/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388278
180-133613-A-1-B MS	Matrix Spike	Total/NA	Water	EPA 9034	388278
180-133613-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 9034	388278

Analysis Batch: 388388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	SM 2540C	
180-133638-8	SGWC-23	Total/NA	Water	SM 2540C	
180-133638-9	SGWA-24	Total/NA	Water	SM 2540C	
180-133638-10	EB-3	Total/NA	Water	SM 2540C	
MB 180-388388/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388388/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133504-C-6 DU	Duplicate	Total/NA	Water	SM 2540C	
180-133602-1 DU	SGWA-1	Total/NA	Water	SM 2540C	

Analysis Batch: 388397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-2	SGWA-2	Total/NA	Water	SM 2540C	
180-133602-3	SGWA-3	Total/NA	Water	SM 2540C	
180-133602-4	SGWA-4	Total/NA	Water	SM 2540C	
180-133602-6	SGWC-6	Total/NA	Water	SM 2540C	
180-133602-7	SGWC-7	Total/NA	Water	SM 2540C	
180-133602-8	FB-2	Total/NA	Water	SM 2540C	
180-133602-9	EB-2	Total/NA	Water	SM 2540C	
180-133602-10	SGWA-25	Total/NA	Water	SM 2540C	
180-133602-11	DUP-2	Total/NA	Water	SM 2540C	
180-133638-1	SGWC-8	Total/NA	Water	SM 2540C	
180-133638-2	SGWC-9	Total/NA	Water	SM 2540C	
180-133638-3	SGWC-11	Total/NA	Water	SM 2540C	
180-133638-4	SGWC-12	Total/NA	Water	SM 2540C	
180-133638-5	SGWC-16	Total/NA	Water	SM 2540C	
180-133638-6	SGWC-18	Total/NA	Water	SM 2540C	
180-133638-7	SGWC-22	Total/NA	Water	SM 2540C	
MB 180-388397/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388397/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133602-3 DU	SGWA-3	Total/NA	Water	SM 2540C	
180-133634-A-21 DU	Duplicate	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 388541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-11	FB-3	Total/NA	Water	SM 2540C	
180-133638-12	DUP-3	Total/NA	Water	SM 2540C	
MB 180-388541/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388541/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133638-11 DU	FB-3	Total/NA	Water	SM 2540C	

Analysis Batch: 388543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	SM 2540C	
MB 180-388543/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388543/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133612-U-4 DU	Duplicate	Total/NA	Water	SM 2540C	

Prep Batch: 388545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	9030B	
180-133638-2	SGWC-9	Total/NA	Water	9030B	
180-133638-3	SGWC-11	Total/NA	Water	9030B	
180-133638-4	SGWC-12	Total/NA	Water	9030B	
180-133638-5	SGWC-16	Total/NA	Water	9030B	
180-133638-6	SGWC-18	Total/NA	Water	9030B	
180-133638-7	SGWC-22	Total/NA	Water	9030B	
180-133638-8	SGWC-23	Total/NA	Water	9030B	
180-133638-9	SGWA-24	Total/NA	Water	9030B	
180-133638-10	EB-3	Total/NA	Water	9030B	
180-133638-11	FB-3	Total/NA	Water	9030B	
180-133638-12	DUP-3	Total/NA	Water	9030B	
MB 180-388545/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388545/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133638-4 MS	SGWC-12	Total/NA	Water	9030B	
180-133638-4 MSD	SGWC-12	Total/NA	Water	9030B	

Prep Batch: 388548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	9030B	
180-133644-2	SGWC-17	Total/NA	Water	9030B	
180-133644-3	SGWC-21	Total/NA	Water	9030B	
180-133644-4	SGWC-20	Total/NA	Water	9030B	
180-133644-5	SGWC-15	Total/NA	Water	9030B	
180-133644-6	SGWC-13	Total/NA	Water	9030B	
180-133644-7	SGWC-19	Total/NA	Water	9030B	
MB 180-388548/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388548/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133020-J-11-B MS	Matrix Spike	Total/NA	Water	9030B	
180-133020-J-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	

Analysis Batch: 388646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	EPA 9034	388545
180-133638-2	SGWC-9	Total/NA	Water	EPA 9034	388545
180-133638-3	SGWC-11	Total/NA	Water	EPA 9034	388545

General Chemistry (Continued)

Analysis Batch: 388646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-4	SGWC-12	Total/NA	Water	EPA 9034	388545
180-133638-5	SGWC-16	Total/NA	Water	EPA 9034	388545
180-133638-6	SGWC-18	Total/NA	Water	EPA 9034	388545
180-133638-7	SGWC-22	Total/NA	Water	EPA 9034	388545
180-133638-8	SGWC-23	Total/NA	Water	EPA 9034	388545
180-133638-9	SGWA-24	Total/NA	Water	EPA 9034	388545
180-133638-10	EB-3	Total/NA	Water	EPA 9034	388545
180-133638-11	FB-3	Total/NA	Water	EPA 9034	388545
180-133638-12	DUP-3	Total/NA	Water	EPA 9034	388545
MB 180-388545/1-A	Method Blank	Total/NA	Water	EPA 9034	388545
LCS 180-388545/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388545
180-133638-4 MS	SGWC-12	Total/NA	Water	EPA 9034	388545
180-133638-4 MSD	SGWC-12	Total/NA	Water	EPA 9034	388545

Analysis Batch: 388648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	EPA 9034	388548
180-133644-2	SGWC-17	Total/NA	Water	EPA 9034	388548
180-133644-3	SGWC-21	Total/NA	Water	EPA 9034	388548
180-133644-4	SGWC-20	Total/NA	Water	EPA 9034	388548
180-133644-5	SGWC-15	Total/NA	Water	EPA 9034	388548
180-133644-6	SGWC-13	Total/NA	Water	EPA 9034	388548
180-133644-7	SGWC-19	Total/NA	Water	EPA 9034	388548
MB 180-388548/1-A	Method Blank	Total/NA	Water	EPA 9034	388548
LCS 180-388548/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388548
180-133020-J-11-B MS	Matrix Spike	Total/NA	Water	EPA 9034	388548
180-133020-J-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 9034	388548

Analysis Batch: 388694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-2	SGWC-17	Total/NA	Water	SM 2540C	
180-133644-3	SGWC-21	Total/NA	Water	SM 2540C	
180-133644-4	SGWC-20	Total/NA	Water	SM 2540C	
180-133644-5	SGWC-15	Total/NA	Water	SM 2540C	
180-133644-6	SGWC-13	Total/NA	Water	SM 2540C	
180-133644-7	SGWC-19	Total/NA	Water	SM 2540C	
MB 180-388694/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388694/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133612-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 388814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-5	SGWA-5	Total/NA	Water	SM 2540C	
MB 180-388814/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388814/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133777-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 388829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	SM 2540C	
MB 180-388829/2	Method Blank	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 388829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-388829/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133869-A-13 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 388836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	SM2320 B	
180-133602-2	SGWA-2	Total/NA	Water	SM2320 B	
180-133602-3	SGWA-3	Total/NA	Water	SM2320 B	
180-133602-4	SGWA-4	Total/NA	Water	SM2320 B	
180-133602-5	SGWA-5	Total/NA	Water	SM2320 B	
180-133602-6	SGWC-6	Total/NA	Water	SM2320 B	
180-133602-7	SGWC-7	Total/NA	Water	SM2320 B	
180-133602-8	FB-2	Total/NA	Water	SM2320 B	
180-133602-9	EB-2	Total/NA	Water	SM2320 B	
180-133602-10	SGWA-25	Total/NA	Water	SM2320 B	
180-133602-11	DUP-2	Total/NA	Water	SM2320 B	
MB 180-388836/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-388836/53	Method Blank	Total/NA	Water	SM2320 B	
MB 180-388836/77	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-388836/52	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-388836/76	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-388836/51	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-388836/75	Lab Control Sample	Total/NA	Water	SM2320 B	
180-133602-2 DU	SGWA-2	Total/NA	Water	SM2320 B	
180-133602-11 DU	DUP-2	Total/NA	Water	SM2320 B	

Prep Batch: 388864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	9030B	
MB 180-388864/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388864/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133781-1 MS	SGWC-14	Total/NA	Water	9030B	
180-133781-1 MSD	SGWC-14	Total/NA	Water	9030B	

Analysis Batch: 388874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	EPA 9034	388864
MB 180-388864/1-A	Method Blank	Total/NA	Water	EPA 9034	388864
LCS 180-388864/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388864
180-133781-1 MS	SGWC-14	Total/NA	Water	EPA 9034	388864
180-133781-1 MSD	SGWC-14	Total/NA	Water	EPA 9034	388864

Analysis Batch: 389075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	SM2320 B	
180-133638-2	SGWC-9	Total/NA	Water	SM2320 B	
180-133638-3	SGWC-11	Total/NA	Water	SM2320 B	
180-133638-4	SGWC-12	Total/NA	Water	SM2320 B	
180-133638-5	SGWC-16	Total/NA	Water	SM2320 B	
180-133638-6	SGWC-18	Total/NA	Water	SM2320 B	
180-133638-7	SGWC-22	Total/NA	Water	SM2320 B	

General Chemistry (Continued)

Analysis Batch: 389075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-8	SGWC-23	Total/NA	Water	SM2320 B	
180-133638-9	SGWA-24	Total/NA	Water	SM2320 B	
180-133638-10	EB-3	Total/NA	Water	SM2320 B	
180-133638-11	FB-3	Total/NA	Water	SM2320 B	
180-133638-12	DUP-3	Total/NA	Water	SM2320 B	
180-133644-1	SGWC-10	Total/NA	Water	SM2320 B	
180-133644-2	SGWC-17	Total/NA	Water	SM2320 B	
180-133644-3	SGWC-21	Total/NA	Water	SM2320 B	
180-133644-4	SGWC-20	Total/NA	Water	SM2320 B	
180-133644-5	SGWC-15	Total/NA	Water	SM2320 B	
180-133644-6	SGWC-13	Total/NA	Water	SM2320 B	
180-133644-7	SGWC-19	Total/NA	Water	SM2320 B	
MB 180-389075/30	Method Blank	Total/NA	Water	SM2320 B	
MB 180-389075/54	Method Blank	Total/NA	Water	SM2320 B	
MB 180-389075/6	Method Blank	Total/NA	Water	SM2320 B	
MB 180-389075/78	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-389075/5	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-389075/53	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-389075/77	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-389075/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-389075/52	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-389075/76	Lab Control Sample	Total/NA	Water	SM2320 B	
180-133638-1 DU	SGWC-8	Total/NA	Water	SM2320 B	
180-133638-6 DU	SGWC-18	Total/NA	Water	SM2320 B	
180-133644-4 DU	SGWC-20	Total/NA	Water	SM2320 B	

Analysis Batch: 389234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	Total/NA	Water	SM2320 B	
MB 180-389234/30	Method Blank	Total/NA	Water	SM2320 B	
MB 180-389234/6	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-389234/29	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-389234/28	Lab Control Sample	Total/NA	Water	SM2320 B	
180-133781-1 DU	SGWC-14	Total/NA	Water	SM2320 B	

Analysis Batch: 829718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	SM 3500 FE D	
180-133602-2	SGWA-2	Total/NA	Water	SM 3500 FE D	
180-133602-3	SGWA-3	Total/NA	Water	SM 3500 FE D	
180-133602-4	SGWA-4	Total/NA	Water	SM 3500 FE D	
180-133602-5	SGWA-5	Total/NA	Water	SM 3500 FE D	
180-133602-6	SGWC-6	Total/NA	Water	SM 3500 FE D	
180-133602-7	SGWC-7	Total/NA	Water	SM 3500 FE D	
180-133602-8	FB-2	Total/NA	Water	SM 3500 FE D	
180-133602-9	EB-2	Total/NA	Water	SM 3500 FE D	
180-133602-10	SGWA-25	Total/NA	Water	SM 3500 FE D	
180-133602-11	DUP-2	Total/NA	Water	SM 3500 FE D	
MB 460-829718/37	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 460-829718/38	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MRL 460-829718/11	Lab Control Sample	Total/NA	Water	SM 3500 FE D	

General Chemistry (Continued)

Analysis Batch: 829718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1 MS	SGWA-1	Total/NA	Water	SM 3500 FE D	
180-133602-1 MSD	SGWA-1	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 829723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	SM 3500 FE D	
180-133638-2	SGWC-9	Total/NA	Water	SM 3500 FE D	
180-133638-3	SGWC-11	Total/NA	Water	SM 3500 FE D	
180-133638-4	SGWC-12	Total/NA	Water	SM 3500 FE D	
180-133638-5	SGWC-16	Total/NA	Water	SM 3500 FE D	
180-133638-6	SGWC-18	Total/NA	Water	SM 3500 FE D	
180-133638-7	SGWC-22	Total/NA	Water	SM 3500 FE D	
180-133638-8	SGWC-23	Total/NA	Water	SM 3500 FE D	
180-133638-9	SGWA-24	Total/NA	Water	SM 3500 FE D	
180-133638-10	EB-3	Total/NA	Water	SM 3500 FE D	
180-133638-11	FB-3	Total/NA	Water	SM 3500 FE D	
180-133638-12	DUP-3	Total/NA	Water	SM 3500 FE D	
180-133644-1	SGWC-10	Total/NA	Water	SM 3500 FE D	
180-133644-2	SGWC-17	Total/NA	Water	SM 3500 FE D	
180-133644-3	SGWC-21	Total/NA	Water	SM 3500 FE D	
180-133644-4	SGWC-20	Total/NA	Water	SM 3500 FE D	
180-133644-5	SGWC-15	Total/NA	Water	SM 3500 FE D	
180-133644-6	SGWC-13	Total/NA	Water	SM 3500 FE D	
180-133644-7	SGWC-19	Total/NA	Water	SM 3500 FE D	
180-133781-1	SGWC-14	Total/NA	Water	SM 3500 FE D	
MB 460-829723/35	Method Blank	Total/NA	Water	SM 3500 FE D	
MB 460-829723/4	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 460-829723/36	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCS 460-829723/5	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MRL 460-829723/3	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
180-133638-1 MS	SGWC-8	Total/NA	Water	SM 3500 FE D	
180-133638-1 MSD	SGWC-8	Total/NA	Water	SM 3500 FE D	
180-133781-1 MS	SGWC-14	Total/NA	Water	SM 3500 FE D	
180-133781-1 MSD	SGWC-14	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 829800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	SM 3500	
180-133602-2	SGWA-2	Total/NA	Water	SM 3500	
180-133602-3	SGWA-3	Total/NA	Water	SM 3500	
180-133602-4	SGWA-4	Total/NA	Water	SM 3500	
180-133602-5	SGWA-5	Total/NA	Water	SM 3500	
180-133602-6	SGWC-6	Total/NA	Water	SM 3500	
180-133602-7	SGWC-7	Total/NA	Water	SM 3500	
180-133602-8	FB-2	Total/NA	Water	SM 3500	
180-133602-9	EB-2	Total/NA	Water	SM 3500	
180-133602-10	SGWA-25	Total/NA	Water	SM 3500	
180-133602-11	DUP-2	Total/NA	Water	SM 3500	

General Chemistry

Analysis Batch: 829801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	SM 3500	
180-133638-2	SGWC-9	Total/NA	Water	SM 3500	
180-133638-3	SGWC-11	Total/NA	Water	SM 3500	
180-133638-4	SGWC-12	Total/NA	Water	SM 3500	
180-133638-5	SGWC-16	Total/NA	Water	SM 3500	
180-133638-6	SGWC-18	Total/NA	Water	SM 3500	
180-133638-7	SGWC-22	Total/NA	Water	SM 3500	
180-133638-8	SGWC-23	Total/NA	Water	SM 3500	
180-133638-9	SGWA-24	Total/NA	Water	SM 3500	
180-133638-10	EB-3	Total/NA	Water	SM 3500	
180-133638-11	FB-3	Total/NA	Water	SM 3500	
180-133638-12	DUP-3	Total/NA	Water	SM 3500	
180-133644-1	SGWC-10	Total/NA	Water	SM 3500	
180-133644-2	SGWC-17	Total/NA	Water	SM 3500	
180-133644-3	SGWC-21	Total/NA	Water	SM 3500	
180-133644-4	SGWC-20	Total/NA	Water	SM 3500	
180-133644-5	SGWC-15	Total/NA	Water	SM 3500	
180-133644-6	SGWC-13	Total/NA	Water	SM 3500	
180-133644-7	SGWC-19	Total/NA	Water	SM 3500	
180-133781-1	SGWC-14	Total/NA	Water	SM 3500	

Field Service / Mobile Lab

Analysis Batch: 388952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	Field Sampling	
180-133602-2	SGWA-2	Total/NA	Water	Field Sampling	
180-133602-3	SGWA-3	Total/NA	Water	Field Sampling	
180-133602-4	SGWA-4	Total/NA	Water	Field Sampling	
180-133602-5	SGWA-5	Total/NA	Water	Field Sampling	
180-133602-6	SGWC-6	Total/NA	Water	Field Sampling	
180-133602-7	SGWC-7	Total/NA	Water	Field Sampling	
180-133602-10	SGWA-25	Total/NA	Water	Field Sampling	

Analysis Batch: 389021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-1	SGWC-8	Total/NA	Water	Field Sampling	
180-133638-2	SGWC-9	Total/NA	Water	Field Sampling	
180-133638-3	SGWC-11	Total/NA	Water	Field Sampling	
180-133638-4	SGWC-12	Total/NA	Water	Field Sampling	
180-133638-5	SGWC-16	Total/NA	Water	Field Sampling	
180-133638-6	SGWC-18	Total/NA	Water	Field Sampling	
180-133638-7	SGWC-22	Total/NA	Water	Field Sampling	
180-133638-8	SGWC-23	Total/NA	Water	Field Sampling	
180-133638-9	SGWA-24	Total/NA	Water	Field Sampling	

Analysis Batch: 389107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-1	SGWC-10	Total/NA	Water	Field Sampling	
180-133644-2	SGWC-17	Total/NA	Water	Field Sampling	
180-133644-3	SGWC-21	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 389107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133644-4	SGWC-20	Total/NA	Water	Field Sampling	
180-133644-5	SGWC-15	Total/NA	Water	Field Sampling	
180-133644-6	SGWC-13	Total/NA	Water	Field Sampling	
180-133644-7	SGWC-19	Total/NA	Water	Field Sampling	

Analysis Batch: 389553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133781-1	SGWC-14	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: 2/10/2022	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 AP1	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	ATLANTA	ple Specific Notes:
SGWA-1	2/9/2022	13:22	G	GW	6			X	X	X	X	X	X	X		pH= 5.28
SGWA-2	2/9/2022	14:03	G	GW	6			X	X	X	X	X	X	X		pH= 7.01
SGWA-3	2/9/2022	12:35	G	GW	6			X	X	X	X	X	X	X		pH= 5.84
SGWA-4	2/9/2022	11:10	G	GW	6			X	X	X	X	X	X	X		pH= 6.38
SGWA-5	2/9/2022	13:50	G	GW	6			X	X	X	X	X	X	X		pH= 5.56
SGWC-6	2/9/2022	16:00	G	GW	6			X	X	X	X	X	X	X		pH= 6.33
SGWC-7	2/9/2022	16:09	G	GW	6			X	X	X	X	X	X	X		pH= 6.77
FB-2	2/9/2022	12:10	G	GW	6			X	X	X	X	X	X	X		
EB-2	2/9/2022	14:20	G	GW	6			X	X	X	X	X	X	X		
SGWA-25	2/9/2022	15:02	G	GW	6			X	X	X	X	X	X	X		pH= 6.17
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	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 Dis
☐ Return to

onger than 1 month)
Archive for_____ Months

180-133602 Chain of Custody

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: WSP-Lansing	Date/Time: 08:25 2/10/22	Received by: Elaine Cook	Company: Courier NW	Date/Time: 2/10/22
Relinquished by: Brea Manne	Company:	Date/Time: 2/10/22 1009	Received by: Brea Manne	Company:	Date/Time: 2/10/22 1009
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: D Watson	Company: TEKMAH	Date/Time: 2-11-22

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: 2/11/2022	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 AP1	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	ple Specific Notes:
SGWC-8	2/10/2022	10:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.47
SGWC-9	2/10/2022	11:25	G	GW	6			X	X	X	X	X	X	X	pH= 6.25
SGWC-11	2/10/2022	13:02	G	GW	8			X	X	X	X	X	X	X	pH= 5.11
SGWC-12	2/10/2022	15:30	G	GW	6			X	X	X	X	X	X	X	pH= 6.19
SGWC-16	2/10/2022	16:20	G	GW	6			X	X	X	X	X	X	X	pH= 5.21
SGWC-18	2/10/2022	15:25	G	GW	6			X	X	X	X	X	X	X	pH= 4.86
SGWC-22	2/10/2022	10:46	G	GW	6			X	X	X	X	X	X	X	pH= 5.78
SGWC-23	2/10/2022	09:40	G	GW	6			X	X	X	X	X	X	X	pH= 6.13
SGWA-24	2/10/2022	13:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.38
EB-3	2/10/2022	16:50	G	GW	6			X	X	X	X	X	X	X	
FB-3	2/10/2022	14:00	G	GW	6			X	X	X	X	X	X	X	
DUP-3	2/10/2022	--	G	GW	6			X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	1	4	4	1	5	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 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	Date/Time: 2/11/22 16:03	Received by:	Company: ETA	Date/Time: 2/11/22 16:03
Relinquished by: GTA	Company: 16:30	Date/Time: 2/11/22	Received by:	Company: FEDEX pick	Date/Time: 2/12/22 1245
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TestAmerica Pittsburgh
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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: 2/11/2022	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 AP1				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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
SGWC-10	2/11/2022	09:24	G	GW	6			X	X	X	X	X	X	X	pH= 5.13
SGWC-17	2/11/2022	09:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.39
SGWC-21	2/11/2022	9:30	G	GW	6			X	X	X	X	X	X	X	pH= 6.31
SGWC-20	2/11/2022	10:20	G	GW	6			X	X	X	X	X	X	X	pH= 4.25
SGWC-15	2/11/2022	11:06	G	GW	8			X	X	X	X	X	X	X	pH= 4.59
SGWC-13	2/11/2022	11:05	G	GW	6			X	X	X	X	X	X	X	pH= 6.02
SGWC-19	2/11/2022	11:06	G	GW	6			X	X	X	X	X	X	X	pH= 5.65
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	1	4	4	1	5	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 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	Date/Time: 2/11/22 16:03	Received by:	Company: ETA	Date/Time: 2/11/22 16:03
Relinquished by:	Company: ETA	Date/Time: 2/11/22 16:30	Received by:	Company: 2/12/22 1245	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TestAmerica Pittsburgh
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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: 2/15/2022	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 AP1	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

244 - ATLANTA

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 III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe	Sample Specific Notes:
SGWC-14	2/14/2022	11:22	G	GW	6			X	X	X	X	X	X	X	pH= 5.77
								4	1	4	4	1	5	1	

180-133781 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	Received by	Company	Date/Time
Relinquished by:	WSP-Baton	2/15/22 7:55	Elaine Cook	Courier Now	2/15/22
Relinquished by:	Company:	Date/Time:	Received by: Michael Meeks	Company: 1045	Date/Time: 2-15-22 9:50
Relinquished by: Michael Meeks	Company:	Date/Time: 2-15-22 9:50	Received in Laboratory by:	Company: 2/16/22 0935	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

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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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

REF:
INV:
PO:
DEPT:

FedEx Express

1 of 6

TRK# 0201 5220 7116 1680

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

MASTER

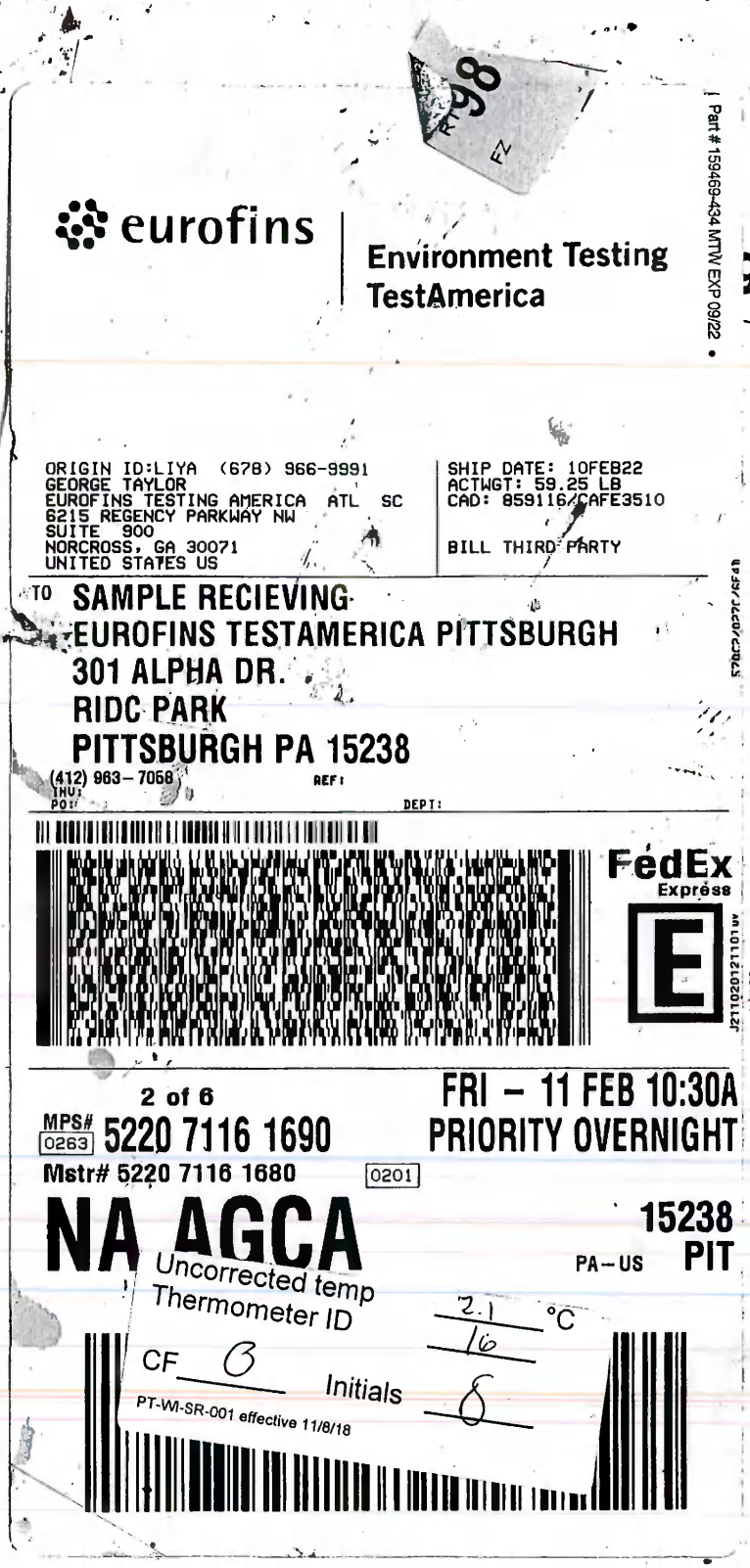
NA AGCA

15238
PA-US PIT

180-133602 Waybill

Uncorrected temp 3.8 °C
Thermometer ID 16
CF 0
Initials

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



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Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

J211020121101uv

2 of 6
MPS# 0263 5220 7116 1690
Mstr# 5220 7116 1680 0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Do not lift using this tag.

eurofins | Environment Testing TestAmerica

1 A 1705 02.11
10:30
RT 98 FZ

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

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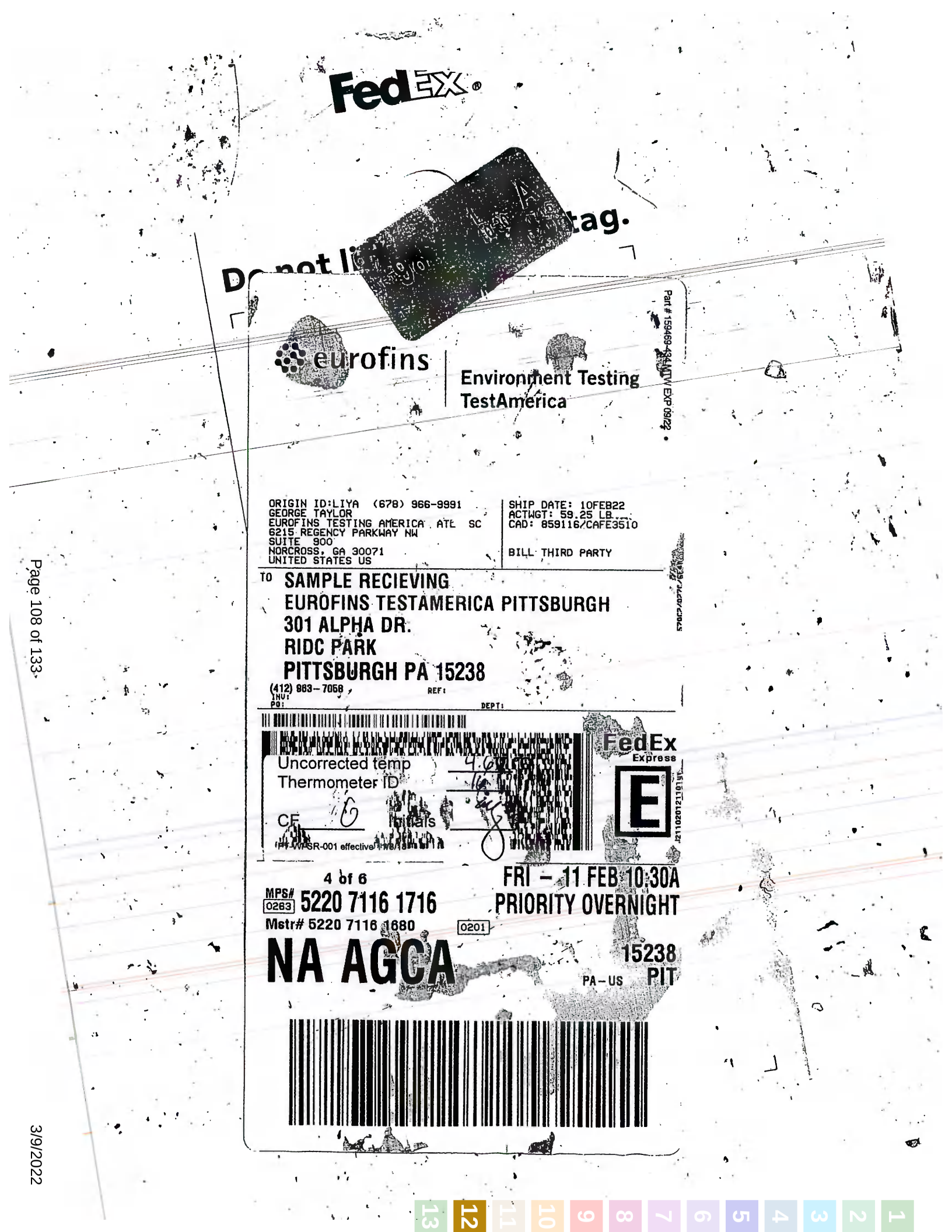
Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0.0 Initials 8
PT-WI-SR-001 effective 11/8/18

11 FEB 10:30A
PRIORITY OVERNIGHT

MPS# 0263 5220 7116 1705
Mstr# 5220 7116 1680
0201

NA AGCA

15238
PA-US PIT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tag.
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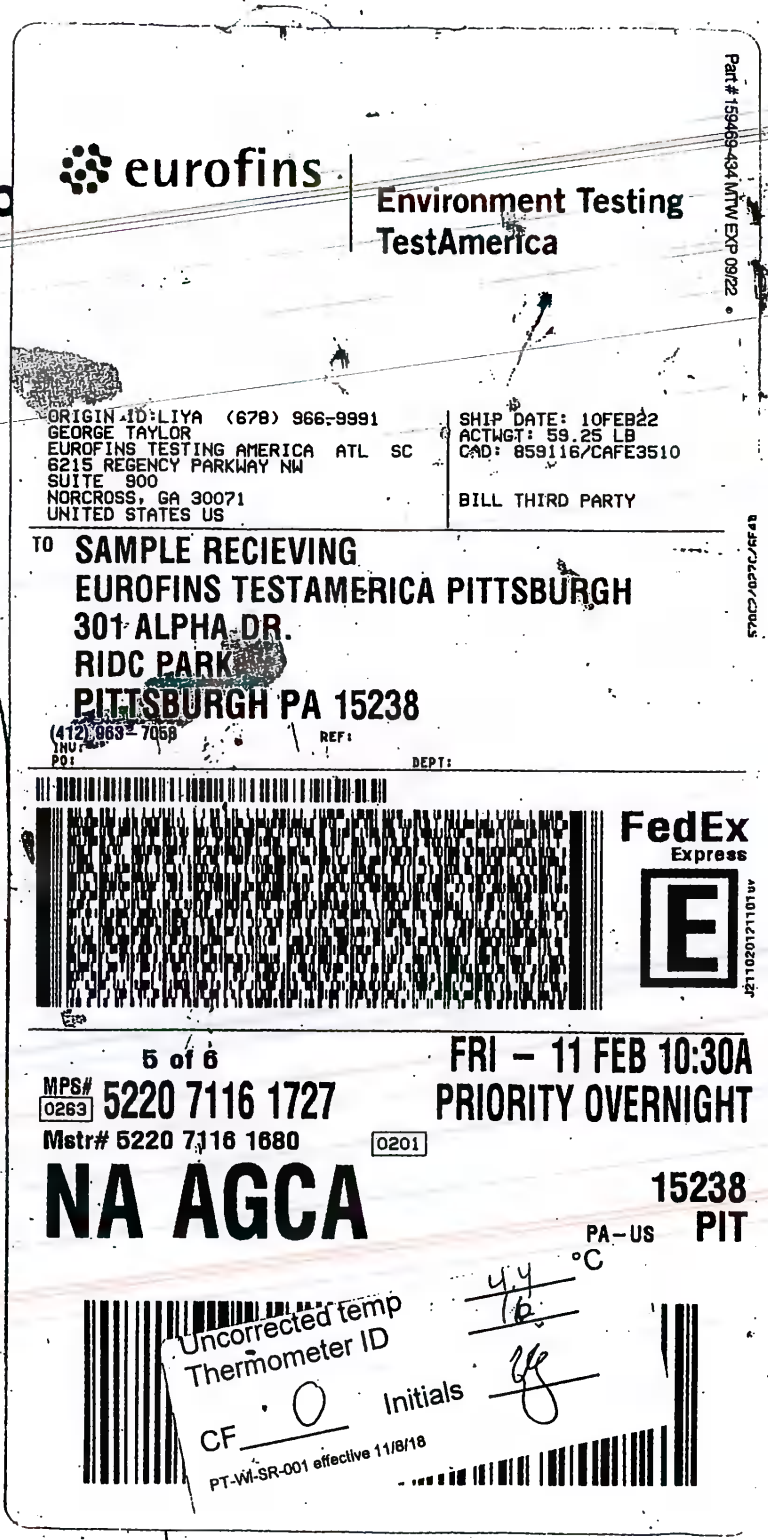
Environment Testing
TestAmerica
Part # 159469-434-MTW EXP 09/22
ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US
SHIP DATE: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510
BILL THIRD PARTY
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx
Express
Uncorrected temp
Thermometer ID
CF
Initials
PT-WI-SR-001 effective
4 of 6
MPS# 0283 5220 7116 1716
Mstr# 5220 7116 1680
0201
FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT
NA AGCA
15238
PA-US
PIT



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Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

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5 of 6
MPS# 0263 5220 7116 1727
Mstr# 5220 7116 1680 0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PIT
PA-US

Uncorrected temp 4.4 °C
Thermometer ID 16
CF 0 Initials

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

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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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859716/CAFE3510

BILL THIRD PARTY

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

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 14 °C
Thermometer ID 6
Initials
CF

FedEx Express

SR-001 effective 11/8/18

1 of 6

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

5220 7116 1738

Mstr# 5220 7116 1680

0201

NA AGCA

15238
PA-US PIT

3/9/2022

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Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

6 of 6
MPS# 0263 5220 7116 2285
Mstr# 5220 7116 2230
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

180-133638 Waybill

Uncorrected temp 0.4 °C
Thermometer ID 16
CF 0 Initials

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

Part # 159469-494 MTW EXP 09/22

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689

ORIGIN ID:LIYA (678) 9[illegible]
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL 9[illegible]
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

DATE: 11FEB22
WGT: 51.15 LB
859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

MASTER

NO AGCA

15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 10
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

Do not lift using this tag

eurofins Environment Testing TestAmerica

RT 639 12:00 2241 02.12 FZ

Part # 159469-434 MTW EXP 0322

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J211020121101uv

2 of 6

MPS# 0263 5220 7116 2241

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18

35
16
°C

FedEx®

3/9/2022

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J2110201211101uv

3 of 6

MPS# 0263 5220 7116 2252

Mstr# 5220 7116 2230

0201

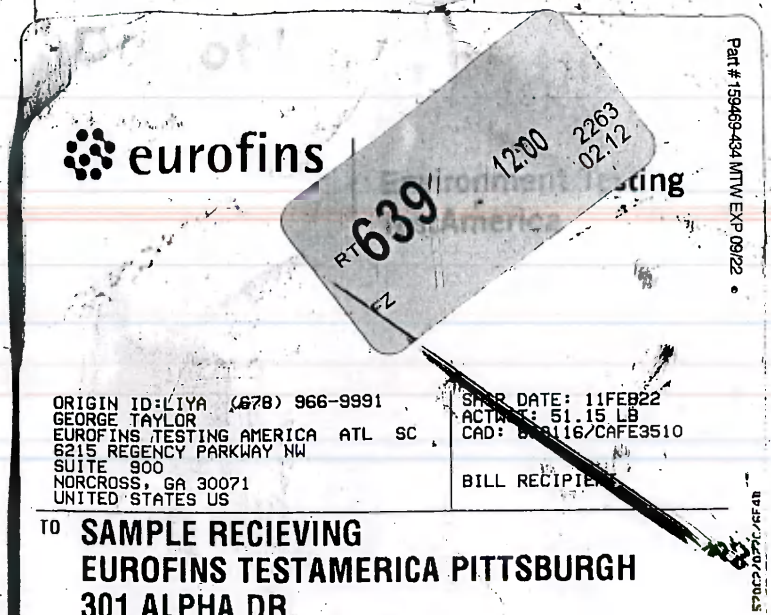
SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials JB

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



eurofins

Part # 159469-434 MTW EXP 09/22

RT 639 12:00 2263 02.12

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 6[illegible]116/CAFE3510

BILL RECIPIENT

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

FedEx Express

4 of 6

MPS# 0263 5220 7116 2263

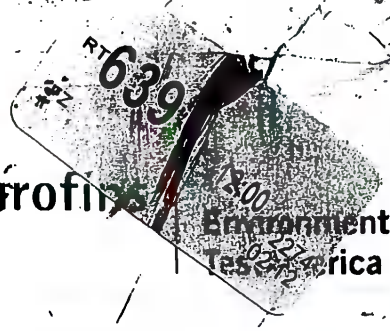
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effecti 11/8/16



Part # 159469-434 MTW EXP 09/22

3/9/2022

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

5 of 6
SATURDAY 12:00P

MPS# 0263 **5220 7116 2274**
PRIORITY OVERNIGHT

Mstr# 5220 7116 2230 0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials

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

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

ORIGIN ID:LIYA (678) 9[illegible]
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL [illegible]
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

DATE: 11FEB22
GT: 51.15 LB
859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

MASTER

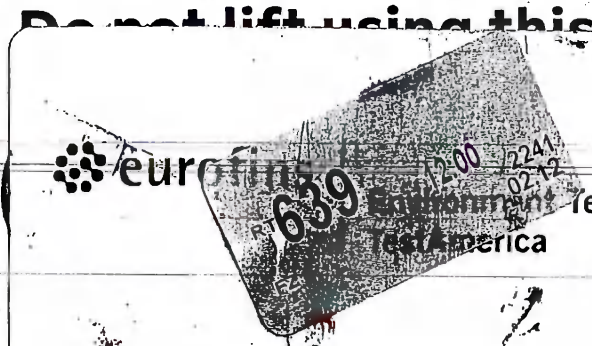
NO AGCA

15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 10
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

180-133644 Waybill

Do not lift using this tag



Part # 159469-434 MTW EXP 0822

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

2 of 6

MPS# 0263 5220 7116 2241

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18

35 °C
16
8

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

3 of 6
MPS# 0263 5220 7116 2252
Mstr# 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials JB

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

eurofins | Environment Testing America

639 1210 2263 0212

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 8[illegible]116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J211020121101uv

4 of 6

MPS# 0263 5220 7116 2263

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effect 11/8/16

eurofins Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J2110201211011av

5 of 6
MPS# 0263 5220 7116 2274
Mstr# 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

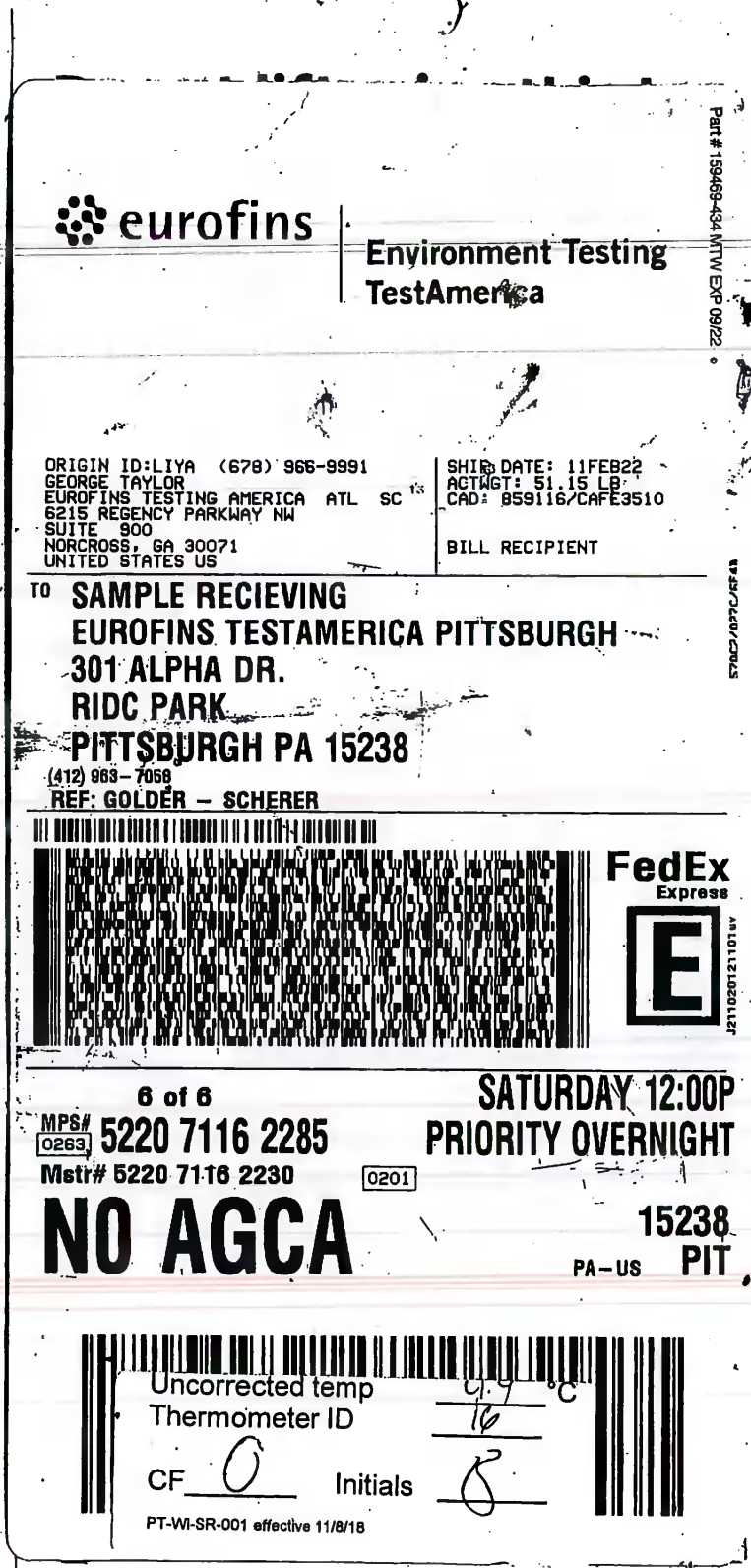
0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials

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



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

6 of 6
MPS# 0263 5220 7116 2285
Mstr# 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.7 °C
Thermometer ID 16
CF 0 Initials

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


Do not remove
Part # 159469-434 MTW EXP 09/22
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: 15FEB22
ACTWGT: 56.95 LB
CAD: 859116/CAFE3510
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER - PLT SCHERERE
FedEx Express
180-133781 Waybill
2 of 2
MPS# 0263 5220 7116 2399
Mstr# 5220 7116 2388
NA AGCA
15238
PA-US PIT
Uncorrected temp 4.5 °C
Thermometer ID 16
CF 0 Initials S
PT-WI-SR-001 effective 11/8/18
1 of 2
TRK# 0201 5220 7116 2388
MASTER
WED - 16 FEB 10:30A
PRIORITY OVERNIGHT
NA AGCA
15238
-US PIT
Uncorrected temp 5.6 °C
Thermometer ID 16
CF 0 Initials S
PT-WI-SR-001 effective 11/8/18

Eurofins 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: 180-454808.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note):		Job #: 180-133602-1
Address: 777 New Durham Road, ,	Due Date Requested: 2/24/2022			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer AP-1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

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:

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)	3500_Fe+3_D_Cal/ Iron, Ferric	3500_FE_D/ Iron, Ferrous	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SGWA-1 (180-133602-1)	2/9/22	13:22 Eastern		Water			X	X	1	
SGWA-2 (180-133602-2)	2/9/22	14:03 Eastern		Water			X	X	1	
SGWA-3 (180-133602-3)	2/9/22	12:35 Eastern		Water			X	X	1	
SGWA-4 (180-133602-4)	2/9/22	11:10 Eastern		Water			X	X	1	
SGWA-5 (180-133602-5)	2/9/22	13:50 Eastern		Water			X	X	1	
SGWC-6 (180-133602-6)	2/9/22	16:00 Eastern		Water			X	X	1	
SGWC-7 (180-133602-7)	2/9/22	16:09 Eastern		Water			X	X	1	
FB-2 (180-133602-8)	2/9/22	12:10 Eastern		Water			X	X	1	
EB-2 (180-133602-9)	2/9/22	14:20 Eastern		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		2/14/22 1700			2/15/22 1005	FEDEX
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: NO CS	Cooler Temperature(s) °C and Other Remarks: 1.5/1.4, 2.4/2.3°C IR9

Ver: 06/08/2021

Eurofins 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: 180-454808.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note):		Job #: 180-133602-1
Address: 777 New Durham Road, ,	Due Date Requested: 2/24/2022	Analysis Requested		Preservation Codes:
City: Edison	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: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Plant Scherer AP-1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

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)	3500_Fe+3_D_Cal/ Iron, Ferric	3500_FE_D/ Iron, Ferrous	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SGWA-25 (180-133602-10)	2/9/22	15:02 Eastern		Water			X	X	1	
DUP-2 (180-133602-11)	2/9/22	Eastern		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/14/22 1700		✓ FedEx	2/15/22 1005	EETAsh
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133602-1

Login Number: 133602
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins 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: 180-133602-1

Login Number: 133602
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/15/22 12:01 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 2.3°C IR9
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: 180-133602-1

Login Number: 133638
List Number: 1
Creator: Jodis, Matthew V

List Source: Eurofins 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: 180-133602-1

Login Number: 133638
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/15/22 12:01 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 2.3°C IR9
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: 180-133602-1

Login Number: 133644
List Number: 1
Creator: Jodis, Matthew V

List Source: Eurofins 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: 180-133602-1

Login Number: 133644
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/15/22 12:01 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 2.3°C IR9
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: 180-133602-1

Login Number: 133781
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins 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: 180-133602-1

Login Number: 133781
List Number: 3
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/21/22 12:15 PM

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.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	6.4°C IR9
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 Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133602-2
Client Project/Site: Plant Scherer AP1

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

Attn: Joju Abraham

Authorized for release by:
3/21/2022 6:56:27 PM

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

LINKS

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www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-133602-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133602-2

Receipt
The samples were received on 2/11/2022 9:30 AM, 2/12/2022 12:45 PM and 2/16/2022 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 1.7°C, 2.1°C, 2.1°C, 2.4°C, 2.6°C, 3.3°C, 3.5°C, 3.6°C, 3.8°C, 4.4°C, 4.4°C, 4.5°C, 4.6°C and 4.6°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 for 180-133602-1

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DUP-2 (180-133602-11) The client was contacted but no response was received. The lab logged analysis based on bottles received.

Gas Flow Proportional Counter
Method 9315_Ra226: Radium-226 Prep Batch 160-552009The following samples were prepared at a reduced aliquot due to Matrix: SGWC-7 (180-133602-7), SGWA-25 (180-133602-10), DUP-2 (180-133602-11), SGWC-12 (180-133638-4), SGWC-16 (180-133638-5), SGWC-18 (180-133638-6) and SGWC-22 (180-133638-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method 9315_Ra226: Radium 226 batch 551849: 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-3 (180-133638-10), FB-3 (180-133638-11), DUP-3 (180-133638-12), SGWC-10 (180-133644-1), SGWC-17 (180-133644-2), SGWC-21 (180-133644-3), SGWC-20 (180-133644-4), SGWC-15 (180-133644-5), SGWC-13 (180-133644-6), SGWC-19 (180-133644-7), SGWC-14 (180-133781-1), (LCS 160-551849/1-A), (MB 160-551849/23-A), (500-212081-F-15-A) and (500-212081-H-15-A DU)

Method 9315_Ra226: Radium 226 batch 552009Any 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 (180-133602-1), SGWA-2 (180-133602-2), SGWA-3 (180-133602-3), SGWA-4 (180-133602-4), SGWA-5 (180-133602-5), SGWC-6 (180-133602-6), SGWC-7 (180-133602-7), FB-2 (180-133602-8), EB-2 (180-133602-9), SGWA-25 (180-133602-10), DUP-2 (180-133602-11), SGWC-8 (180-133638-1), SGWC-9 (180-133638-2), SGWC-11 (180-133638-3), SGWC-12 (180-133638-4), SGWC-16 (180-133638-5), SGWC-18 (180-133638-6), SGWC-22 (180-133638-7), (LCS 160-552009/1-A), (LCSD 160-552009/2-A) and (MB 160-552009/23-A)

Method 9315_Ra226: Radium 226 batch 552246Any 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-23 (180-133638-8), SGWA-24 (180-133638-9), (LCS 160-552246/1-A), (MB 160-552246/22-A), (160-44660-B-27-A), (160-44660-A-27-E MS) and (160-44660-B-27-B MSD)

Method 9320_Ra228: Radium-228 Prep Batch 160-552011The following samples were prepared at a reduced aliquot due to Matrix: SGWC-7 (180-133602-7), SGWA-25 (180-133602-10), DUP-2 (180-133602-11), SGWC-12 (180-133638-4), SGWC-16 (180-133638-5) and SGWC-18 (180-133638-6). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method 9320_Ra228: Radium 228 batch 551852Any 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-3 (180-133638-10), FB-3 (180-133638-11), DUP-3 (180-133638-12), SGWC-10 (180-133644-1), SGWC-17 (180-133644-2), SGWC-21 (180-133644-3), SGWC-20 (180-133644-4), SGWC-15 (180-133644-5), SGWC-13 (180-133644-6), SGWC-19 (180-133644-7), SGWC-14 (180-133781-1), (LCS 160-551852/1-A), (MB 160-551852/23-A), (500-212081-F-15-B) and (500-212081-H-15-B DU)

Method 9320_Ra228: Radium 228 Batch 160-552011:Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking

Job ID: 180-133602-2 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

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 (180-133602-1), SGWA-2 (180-133602-2), SGWA-3 (180-133602-3), SGWA-4 (180-133602-4), SGWA-5 (180-133602-5), SGWC-6 (180-133602-6), SGWC-7 (180-133602-7), FB-2 (180-133602-8), EB-2 (180-133602-9), SGWA-25 (180-133602-10), DUP-2 (180-133602-11), SGWC-8 (180-133638-1), SGWC-9 (180-133638-2), SGWC-11 (180-133638-3), SGWC-12 (180-133638-4), SGWC-16 (180-133638-5), SGWC-18 (180-133638-6), SGWC-22 (180-133638-7), (LCS 160-552011/1-A), (LCSD 160-552011/2-A) and (MB 160-552011/23-A)

Method 9320_Ra228: Radium 228 batch 552250The LCS recovered at (64%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (61-138%) per method requirements. The LCS passes, no further action is required (LCS 160-552250/1-A)

Method 9320_Ra228: Radium 228 batch 552250Any 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-23 (180-133638-8), SGWA-24 (180-133638-9), (LCS 160-552250/1-A), (MB 160-552250/22-A), (160-44660-B-27-C), (160-44660-A-27-F MS) and (160-44660-B-27-D MSD)

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

Rad

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

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: Plant Scherer AP1

Job ID: 180-133602-2

Laboratory: Eurofins 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	04-07-23
Arizona	State	AZ0813	12-08-22
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	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
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	NELAP	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
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 AP1

Job ID: 180-133602-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133602-1	SGWA-1	Water	02/09/22 13:22	02/11/22 09:30
180-133602-2	SGWA-2	Water	02/09/22 14:03	02/11/22 09:30
180-133602-3	SGWA-3	Water	02/09/22 12:35	02/11/22 09:30
180-133602-4	SGWA-4	Water	02/09/22 11:10	02/11/22 09:30
180-133602-5	SGWA-5	Water	02/09/22 13:50	02/11/22 09:30
180-133602-6	SGWC-6	Water	02/09/22 16:00	02/11/22 09:30
180-133602-7	SGWC-7	Water	02/09/22 16:09	02/11/22 09:30
180-133602-8	FB-2	Water	02/09/22 12:10	02/11/22 09:30
180-133602-9	EB-2	Water	02/09/22 14:20	02/11/22 09:30
180-133602-10	SGWA-25	Water	02/09/22 15:02	02/11/22 09:30
180-133602-11	DUP-2	Water	02/09/22 00:00	02/11/22 09:30
180-133638-1	SGWC-8	Water	02/10/22 10:10	02/12/22 12:45
180-133638-2	SGWC-9	Water	02/10/22 11:25	02/12/22 12:45
180-133638-3	SGWC-11	Water	02/10/22 13:02	02/12/22 12:45
180-133638-4	SGWC-12	Water	02/10/22 15:30	02/12/22 12:45
180-133638-5	SGWC-16	Water	02/10/22 16:20	02/12/22 12:45
180-133638-6	SGWC-18	Water	02/10/22 15:25	02/12/22 12:45
180-133638-7	SGWC-22	Water	02/10/22 10:46	02/12/22 12:45
180-133638-8	SGWC-23	Water	02/10/22 09:40	02/12/22 12:45
180-133638-9	SGWA-24	Water	02/10/22 13:45	02/12/22 12:45
180-133638-10	EB-3	Water	02/10/22 16:50	02/12/22 12:45
180-133638-11	FB-3	Water	02/10/22 14:00	02/12/22 12:45
180-133638-12	DUP-3	Water	02/10/22 00:01	02/12/22 12:45
180-133644-1	SGWC-10	Water	02/11/22 09:24	02/12/22 12:45
180-133644-2	SGWC-17	Water	02/11/22 09:45	02/12/22 12:45
180-133644-3	SGWC-21	Water	02/11/22 09:30	02/12/22 12:45
180-133644-4	SGWC-20	Water	02/11/22 10:20	02/12/22 12:45
180-133644-5	SGWC-15	Water	02/11/22 11:06	02/12/22 12:45
180-133644-6	SGWC-13	Water	02/11/22 11:05	02/12/22 12:45
180-133644-7	SGWC-19	Water	02/11/22 11:06	02/12/22 12:45
180-133781-1	SGWC-14	Water	02/14/22 11:22	02/16/22 16:45

Method Summary

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

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 St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-1
Date Collected: 02/09/22 13:22
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-1
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			1005.69 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:40	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1005.69 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:13	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-2
Date Collected: 02/09/22 14:03
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-2
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			1003.71 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:41	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.71 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:13	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-3
Date Collected: 02/09/22 12:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-3
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			997.86 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:41	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			997.86 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:13	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-4
Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4
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			1001.31 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:41	FLC	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-4
Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4
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			1001.31 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:13	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-5
Date Collected: 02/09/22 13:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-5
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			998.87 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:41	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			998.87 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:14	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-6
Date Collected: 02/09/22 16:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-6
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			1002.53 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:41	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1002.53 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555482	03/15/22 13:14	CLP	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-7
Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7
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			748.05 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:42	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			748.05 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:22	FLC	TAL SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-7
Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7
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			555720	03/17/22 14:31	CAH	TAL SL

Client Sample ID: FB-2
Date Collected: 02/09/22 12:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-8
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			1005.34 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:38	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1005.34 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:22	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-2
Date Collected: 02/09/22 14:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-9
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			1008.09 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 07:38	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1008.09 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-25
Date Collected: 02/09/22 15:02
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-10
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			758.34 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:43	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			758.34 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: DUP-2
Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-11
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			745.92 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:43	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			745.92 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555720	03/17/22 14:31	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-8
Date Collected: 02/10/22 10:10
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-1
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			991.17 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:43	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			991.17 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-9
Date Collected: 02/10/22 11:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-2
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			995.83 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:44	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			995.83 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-11
Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3
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			997.17 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:44	FLC	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-11
Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3
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			997.17 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555441	03/15/22 13:40	CLP	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-12
Date Collected: 02/10/22 15:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-4
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			755.00 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:44	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			755.00 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555441	03/15/22 13:40	CLP	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-16
Date Collected: 02/10/22 16:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-5
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			750.79 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:44	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.79 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:38	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-18
Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6
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			753.54 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:45	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			753.54 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:23	FLC	TAL SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-18
Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6
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			556424	03/21/22 16:37	CAH	TAL SL

Client Sample ID: SGWC-22
Date Collected: 02/10/22 10:46
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-7
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			993.13 mL	1.0 g	552009	02/23/22 09:00	LPS	TAL SL
Total/NA	Analysis	9315		1			555701	03/17/22 09:45	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			993.13 mL	1.0 g	552011	02/23/22 09:24	LPS	TAL SL
Total/NA	Analysis	9320		1			555442	03/15/22 13:24	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-23
Date Collected: 02/10/22 09:40
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-8
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			997.48 mL	1.0 g	552246	02/25/22 12:58	LPS	TAL SL
Total/NA	Analysis	9315		1			556272	03/21/22 13:38	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			997.48 mL	1.0 g	552250	02/25/22 13:48	LPS	TAL SL
Total/NA	Analysis	9320		1			555897	03/18/22 12:38	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWA-24
Date Collected: 02/10/22 13:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-9
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			994.25 mL	1.0 g	552246	02/25/22 12:58	LPS	TAL SL
Total/NA	Analysis	9315		1			556277	03/21/22 13:39	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			994.25 mL	1.0 g	552250	02/25/22 13:48	LPS	TAL SL
Total/NA	Analysis	9320		1			555898	03/18/22 12:39	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			556424	03/21/22 16:37	CAH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-3

Lab Sample ID: 180-133638-10

Date Collected: 02/10/22 16:50

Matrix: Water

Date Received: 02/12/22 12:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.12 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:52	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			993.12 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553908	03/07/22 13:20	JCB	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-3

Lab Sample ID: 180-133638-11

Date Collected: 02/10/22 14:00

Matrix: Water

Date Received: 02/12/22 12:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.61 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:52	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			991.61 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553908	03/07/22 13:21	JCB	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-3

Lab Sample ID: 180-133638-12

Date Collected: 02/10/22 00:01

Matrix: Water

Date Received: 02/12/22 12:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.38 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:57	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			745.38 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553908	03/07/22 13:21	JCB	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-10

Lab Sample ID: 180-133644-1

Date Collected: 02/11/22 09:24

Matrix: Water

Date Received: 02/12/22 12:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.81 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:57	FLC	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-10
Date Collected: 02/11/22 09:24
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-1
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_0			993.81 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-17
Date Collected: 02/11/22 09:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-2
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			996.66 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:58	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			996.66 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-21
Date Collected: 02/11/22 09:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-3
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			745.81 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:54	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			745.81 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-20
Date Collected: 02/11/22 10:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-4
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			995.13 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:54	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			995.13 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-20
Date Collected: 02/11/22 10:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-4
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	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL

Client Sample ID: SGWC-15
Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-5
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			751.82 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:54	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			751.82 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-13
Date Collected: 02/11/22 11:05
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-6
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			999.66 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:54	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.66 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: SGWC-19
Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-7
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			746.62 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:54	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			746.62 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:30	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-14

Date Collected: 02/14/22 11:22
Date Received: 02/16/22 16:45

Lab Sample ID: 180-133781-1

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			745.32 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 11:55	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			745.32 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:30	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Analyst References:

Lab: TAL SL

Batch Type: Prep

LPS = Lauren Szostak

Batch Type: Analysis

CAH = Chris Hough
CLP = Cassandra Park
EMH = Elizabeth Hoerchler
FLC = Fernando Cruz
JCB = Jacob Boyd

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-1

Date Collected: 02/09/22 13:22
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-1

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	0.0533	U	0.110	0.110	1.00	0.198	pCi/L	02/23/22 09:00	03/17/22 07:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:40*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0941	U	0.272	0.272	1.00	0.470	pCi/L	02/23/22 09:24	03/15/22 13:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*1*
Y Carrier	*82.2*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*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	0.147	U	0.293	0.293	5.00	0.470	pCi/L		03/17/22 14:31	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-2

Date Collected: 02/09/22 14:03
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-2

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	0.0638	U	0.0946	0.0948	1.00	0.163	pCi/L	02/23/22 09:00	03/17/22 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:41*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.244	U	0.247	0.248	1.00	0.402	pCi/L	02/23/22 09:24	03/15/22 13:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*1*
Y Carrier	*84.1*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*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	0.264	0.266	5.00	0.402	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-3

Date Collected: 02/09/22 12:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-3

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	0.0329	U	0.0948	0.0949	1.00	0.180	pCi/L	02/23/22 09:00	03/17/22 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:41*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.165	U	0.212	0.213	1.00	0.353	pCi/L	02/23/22 09:24	03/15/22 13:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*1*
Y Carrier	*84.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*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	0.198	U	0.232	0.233	5.00	0.353	pCi/L		03/17/22 14:31	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-4

Date Collected: 02/09/22 11:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-4

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	0.0400	U	0.0990	0.0991	1.00	0.185	pCi/L	02/23/22 09:00	03/17/22 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:41*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0115	U	0.213	0.213	1.00	0.387	pCi/L	02/23/22 09:24	03/15/22 13:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*1*
Y Carrier	*83.7*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:13*	*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	0.0285	U	0.235	0.235	5.00	0.387	pCi/L		03/17/22 14:31	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-5

Date Collected: 02/09/22 13:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-5

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	0.121	U	0.115	0.116	1.00	0.175	pCi/L	02/23/22 09:00	03/17/22 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:41*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.295	U	0.225	0.227	1.00	0.353	pCi/L	02/23/22 09:24	03/15/22 13:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:14*	*1*
Y Carrier	*87.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:14*	*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	**0.416**		0.253	0.255	5.00	0.353	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-6

Date Collected: 02/09/22 16:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-6

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	0.00584	U	0.0865	0.0865	1.00	0.183	pCi/L	02/23/22 09:00	03/17/22 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:41*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.140	U	0.257	0.258	1.00	0.437	pCi/L	02/23/22 09:24	03/15/22 13:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:14*	*1*
Y Carrier	*87.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:14*	*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	0.271	0.272	5.00	0.437	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-7

Date Collected: 02/09/22 16:09
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-7

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	0.132	U	0.177	0.177	1.00	0.297	pCi/L	02/23/22 09:00	03/17/22 07:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:42*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.527	U	0.365	0.368	1.00	0.567	pCi/L	02/23/22 09:24	03/15/22 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:22*	*1*
Y Carrier	*85.6*		*40 - 110*	*02/23/22 09:24*	*03/15/22 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	**0.659**		0.406	0.408	5.00	0.567	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: FB-2

Date Collected: 02/09/22 12:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-8

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	0.00934	U	0.108	0.108	1.00	0.214	pCi/L	02/23/22 09:00	03/17/22 07:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.299	U	0.231	0.232	1.00	0.363	pCi/L	02/23/22 09:24	03/15/22 13:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:22*	*1*
Y Carrier	*87.9*		*40 - 110*	*02/23/22 09:24*	*03/15/22 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	0.308	U	0.255	0.256	5.00	0.363	pCi/L		03/17/22 14:31	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: EB-2

Date Collected: 02/09/22 14:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-9

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	-0.0280	U	0.150	0.150	1.00	0.302	pCi/L	02/23/22 09:00	03/17/22 07:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.6*		*40 - 110*	*02/23/22 09:00*	*03/17/22 07:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.138	U	0.280	0.280	1.00	0.479	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.6*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*85.2*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	0.110	U	0.318	0.318	5.00	0.479	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-25

Date Collected: 02/09/22 15:02
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-10

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	-0.130	U	0.104	0.104	1.00	0.287	pCi/L	02/23/22 09:00	03/17/22 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.280	U	0.325	0.326	1.00	0.535	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*86.4*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	0.150	U	0.341	0.342	5.00	0.535	pCi/L		03/17/22 14:31	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: DUP-2

Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133602-11

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	0.0202	U	0.173	0.173	1.00	0.328	pCi/L	02/23/22 09:00	03/17/22 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0447	U	0.283	0.283	1.00	0.500	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*87.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	0.0649	U	0.332	0.332	5.00	0.500	pCi/L		03/17/22 14:31	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-8

Date Collected: 02/10/22 10:10
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-1

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	0.377		0.176	0.179	1.00	0.214	pCi/L	02/23/22 09:00	03/17/22 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:43*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.71		0.336	0.371	1.00	0.362	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*88.6*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	2.08		0.379	0.412	5.00	0.362	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-9

Date Collected: 02/10/22 11:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-2

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	0.104	U	0.115	0.116	1.00	0.185	pCi/L	02/23/22 09:00	03/17/22 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.8*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0750	U	0.210	0.210	1.00	0.365	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.8*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*86.4*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	0.179	U	0.239	0.240	5.00	0.365	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-11

Date Collected: 02/10/22 13:02
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-3

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	0.0174	U	0.0934	0.0934	1.00	0.183	pCi/L	02/23/22 09:00	03/17/22 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0925	U	0.189	0.189	1.00	0.326	pCi/L	02/23/22 09:24	03/15/22 13:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:40*	*1*
Y Carrier	*88.2*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:40*	*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	0.110	U	0.211	0.211	5.00	0.326	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-12

Date Collected: 02/10/22 15:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-4

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	0.0225	U	0.121	0.121	1.00	0.247	pCi/L	02/23/22 09:00	03/17/22 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.257	U	0.328	0.329	1.00	0.545	pCi/L	02/23/22 09:24	03/15/22 13:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:40*	*1*
Y Carrier	*90.1*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:40*	*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	0.279	U	0.350	0.351	5.00	0.545	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-16

Date Collected: 02/10/22 16:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-5

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	-0.0192	U	0.116	0.116	1.00	0.253	pCi/L	02/23/22 09:00	03/17/22 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.615**		0.311	0.316	1.00	0.450	pCi/L	02/23/22 09:24	03/15/22 13:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:38*	*1*
Y Carrier	*90.1*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:38*	*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	**0.595**		0.332	0.337	5.00	0.450	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-18

Date Collected: 02/10/22 15:25
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-6

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	-0.0263	U	0.0892	0.0892	1.00	0.220	pCi/L	02/23/22 09:00	03/17/22 09:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:45*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.270	U	0.399	0.400	1.00	0.668	pCi/L	02/23/22 09:24	03/15/22 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*1*
Y Carrier	*84.9*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:23*	*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	0.244	U	0.409	0.410	5.00	0.668	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-22

Date Collected: 02/10/22 10:46
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-7

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	-0.0372	U	0.0838	0.0839	1.00	0.203	pCi/L	02/23/22 09:00	03/17/22 09:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:45*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.383	U	0.260	0.263	1.00	0.399	pCi/L	02/23/22 09:24	03/15/22 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:24*	*1*
Y Carrier	*86.0*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:24*	*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	0.346	U	0.273	0.276	5.00	0.399	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-23

Date Collected: 02/10/22 09:40
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-8

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	0.0594	U	0.0816	0.0817	1.00	0.138	pCi/L	02/25/22 12:58	03/21/22 13:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*40 - 110*	*02/25/22 12:58*	*03/21/22 13:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.145	U	0.268	0.269	1.00	0.454	pCi/L	02/25/22 13:48	03/18/22 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*40 - 110*	*02/25/22 13:48*	*03/18/22 12:38*	*1*
Y Carrier	*85.2*		*40 - 110*	*02/25/22 13:48*	*03/18/22 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	0.204	U	0.280	0.281	5.00	0.454	pCi/L		03/21/22 16:37	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWA-24

Date Collected: 02/10/22 13:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-9

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	0.0468	U	0.111	0.111	1.00	0.200	pCi/L	02/25/22 12:58	03/21/22 13:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*02/25/22 12:58*	*03/21/22 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	0.00438	U	0.235	0.235	1.00	0.418	pCi/L	02/25/22 13:48	03/18/22 12:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*02/25/22 13:48*	*03/18/22 12:39*	*1*
Y Carrier	*84.9*		*40 - 110*	*02/25/22 13:48*	*03/18/22 12:39*	*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	0.0512	U	0.260	0.260	5.00	0.418	pCi/L		03/21/22 16:37	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: EB-3

Date Collected: 02/10/22 16:50
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-10

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	0.0299	U	0.0631	0.0631	1.00	0.116	pCi/L	02/22/22 15:12	03/16/22 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.6*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:52*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.329	0.332	1.00	0.512	pCi/L	02/22/22 15:42	03/07/22 13:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.6*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:20*	*1*
Y Carrier	*84.5*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:20*	*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	0.485	U	0.335	0.338	5.00	0.512	pCi/L		03/16/22 17:45	1

Client Sample ID: FB-3

Date Collected: 02/10/22 14:00
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-11

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	0.0106	U	0.0853	0.0853	1.00	0.171	pCi/L	02/22/22 15:12	03/16/22 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.4*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:52*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0416	U	0.358	0.358	1.00	0.638	pCi/L	02/22/22 15:42	03/07/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.4*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*1*
Y Carrier	*86.0*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*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	0.0522	U	0.368	0.368	5.00	0.638	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: DUP-3
Date Collected: 02/10/22 00:01
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133638-12
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	0.0374	U	0.0678	0.0679	1.00	0.122	pCi/L	02/22/22 15:12	03/16/22 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:57*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.174	U	0.332	0.333	1.00	0.566	pCi/L	02/22/22 15:42	03/07/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*1*
Y Carrier	*84.9*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*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	0.339	0.340	5.00	0.566	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-10

Date Collected: 02/11/22 09:24
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-1

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	0.0434	U	0.0596	0.0597	1.00	0.101	pCi/L	02/22/22 15:12	03/16/22 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:57*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.393	U	0.270	0.272	1.00	0.416	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*84.1*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	**0.436**		0.276	0.278	5.00	0.416	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-17

Date Collected: 02/11/22 09:45
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-2

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	-0.00841	U	0.0558	0.0558	1.00	0.118	pCi/L	02/22/22 15:12	03/16/22 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:58*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.241	U	0.250	0.251	1.00	0.408	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*86.0*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	0.233	U	0.256	0.257	5.00	0.408	pCi/L		03/16/22 17:45	1

Client Sample ID: SGWC-21

Date Collected: 02/11/22 09:30
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-3

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	0.129	U	0.113	0.114	1.00	0.175	pCi/L	02/22/22 15:12	03/16/22 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.561**		0.348	0.352	1.00	0.532	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*85.2*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	**0.689**		0.366	0.370	5.00	0.532	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-20

Date Collected: 02/11/22 10:20
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-4

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	-0.00221	U	0.0657	0.0657	1.00	0.131	pCi/L	02/22/22 15:12	03/16/22 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.261	U	0.250	0.251	1.00	0.403	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*88.2*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	0.259	U	0.258	0.259	5.00	0.403	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-15

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-5

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	-0.0361	U	0.0774	0.0775	1.00	0.171	pCi/L	02/22/22 15:12	03/16/22 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.536**		0.322	0.325	1.00	0.486	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*88.2*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	**0.500**		0.331	0.334	5.00	0.486	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-13

Date Collected: 02/11/22 11:05
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-6

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	0.0595	U	0.0712	0.0714	1.00	0.117	pCi/L	02/22/22 15:12	03/16/22 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.572**		0.265	0.270	1.00	0.383	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*87.1*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	**0.631**		0.274	0.279	5.00	0.383	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-19

Date Collected: 02/11/22 11:06
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133644-7

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	-0.0146	U	0.0941	0.0941	1.00	0.189	pCi/L	02/22/22 15:12	03/16/22 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:54*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.471	U	0.317	0.320	1.00	0.491	pCi/L	02/22/22 15:42	03/07/22 13:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*1*
Y Carrier	*93.5*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*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	0.456	U	0.331	0.334	5.00	0.491	pCi/L		03/16/22 17:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1

Job ID: 180-133602-2

Client Sample ID: SGWC-14

Date Collected: 02/14/22 11:22
Date Received: 02/16/22 16:45

Lab Sample ID: 180-133781-1

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	0.0224	U	0.0925	0.0925	1.00	0.174	pCi/L	02/22/22 15:12	03/16/22 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:55*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.354	U	0.307	0.309	1.00	0.491	pCi/L	02/22/22 15:42	03/07/22 13:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*1*
Y Carrier	*91.2*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*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	0.377	U	0.321	0.323	5.00	0.491	pCi/L		03/16/22 17:45	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-551849/23-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551849

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05818	U	0.0636	0.0638	1.00	0.149	pCi/L	02/22/22 15:12	03/16/22 11:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:48*	*1*

Lab Sample ID: LCS 160-551849/1-A
Matrix: Water
Analysis Batch: 555611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551849

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.25		1.15	1.00	0.117	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.5*		*40 - 110*

Lab Sample ID: 500-212081-H-15-A DU
Matrix: Water
Analysis Batch: 555632

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 551849

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.195			0.05380	U	0.0758	1.00	0.128	pCi/L			0.74	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*84.3*		*40 - 110*

Lab Sample ID: MB 160-552009/23-A
Matrix: Water
Analysis Batch: 555701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552009

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1802	U	0.151	0.152	1.00	0.222	pCi/L	02/23/22 09:00	03/17/22 09:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.3*		*40 - 110*	*02/23/22 09:00*	*03/17/22 09:45*	*1*

Lab Sample ID: LCS 160-552009/1-A
Matrix: Water
Analysis Batch: 555701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552009

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.43		1.30	1.00	0.226	pCi/L	101	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-552009/1-A
Matrix: Water
Analysis Batch: 555701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552009

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.0		40 - 110

Lab Sample ID: LCSD 160-552009/2-A
Matrix: Water
Analysis Batch: 555701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 552009

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	10.48		1.22	1.00	0.206	pCi/L	92	75 - 125	0.37	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	88.8		40 - 110

Lab Sample ID: MB 160-552246/22-A
Matrix: Water
Analysis Batch: 556277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552246

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04109	U	0.0922	0.0923	1.00	0.168	pCi/L	02/25/22 12:58	03/21/22 13:39	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		40 - 110	02/25/22 12:58	03/21/22 13:39	1

Lab Sample ID: LCS 160-552246/1-A
Matrix: Water
Analysis Batch: 556272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552246

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	9.765		1.10	1.00	0.159	pCi/L	86	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.8		40 - 110

Lab Sample ID: 160-44660-A-27-E MS
Matrix: Water
Analysis Batch: 556272

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 552246

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226	1.35		11.3	10.38		1.16	1.00	0.166	pCi/L	80	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	88.5		40 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-44660-B-27-B MSD
Matrix: Water
Analysis Batch: 556272

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 552246

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	1.35		11.3	10.72		1.18	1.00	0.159	pCi/L	83	60 - 140	0.14	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.8*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-551852/23-A
Matrix: Water
Analysis Batch: 553855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551852

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.01687	U	0.178	0.178	1.00	0.327	pCi/L	02/22/22 15:42	03/07/22 13:30	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*1*
Y Carrier	*87.9*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:30*	*1*

Lab Sample ID: LCS 160-551852/1-A
Matrix: Water
Analysis Batch: 553908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551852

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.81	9.582		1.11	1.00	0.375	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.5*		*40 - 110*
Y Carrier	*86.4*		*40 - 110*

Lab Sample ID: 500-212081-H-15-B DU
Matrix: Water
Analysis Batch: 553908

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 551852

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.0813	U		0.2437	U	0.221	1.00	0.351	pCi/L			0.79	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*84.3*		*40 - 110*
Y Carrier	*85.6*		*40 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-552011/23-A
Matrix: Water
Analysis Batch: 555442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552011

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01200	U	0.367	0.367	1.00	0.648	pCi/L	02/23/22 09:24	03/15/22 13:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.3*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:24*	*1*
Y Carrier	*83.7*		*40 - 110*	*02/23/22 09:24*	*03/15/22 13:24*	*1*

Lab Sample ID: LCS 160-552011/1-A
Matrix: Water
Analysis Batch: 555482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552011

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.79	9.294		1.09	1.00	0.331	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.0*		*40 - 110*
Y Carrier	*86.7*		*40 - 110*

Lab Sample ID: LCSD 160-552011/2-A
Matrix: Water
Analysis Batch: 555482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 552011

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			8.79	10.17		1.18	1.00	0.378	pCi/L	116	75 - 125	0.39	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*88.8*		*40 - 110*
Y Carrier	*86.0*		*40 - 110*

Lab Sample ID: MB 160-552250/22-A
Matrix: Water
Analysis Batch: 555898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552250

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2678	U	0.234	0.235	1.00	0.375	pCi/L	02/25/22 13:48	03/18/22 12:39	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*02/25/22 13:48*	*03/18/22 12:39*	*1*
Y Carrier	*87.1*		*40 - 110*	*02/25/22 13:48*	*03/18/22 12:39*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-552250/1-A
Matrix: Water
Analysis Batch: 555897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552250

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.78	5.619		0.750	1.00	0.395	pCi/L	64	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.8*		*40 - 110*
Y Carrier	*81.1*		*40 - 110*

Lab Sample ID: 160-44660-A-27-F MS
Matrix: Water
Analysis Batch: 555897

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 552250

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228	0.270	U	8.78	8.393		1.02	1.00	0.420	pCi/L	93	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*88.5*		*40 - 110*
Y Carrier	*83.4*		*40 - 110*

Lab Sample ID: 160-44660-B-27-D MSD
Matrix: Water
Analysis Batch: 555897

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 552250

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	0.270	U	8.77	7.020		0.874	1.00	0.356	pCi/L	77	60 - 140	0.72	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.8*		*40 - 110*
Y Carrier	*83.7*		*40 - 110*

Rad

Prep Batch: 551849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-10	EB-3	Total/NA	Water	PrecSep-21	
180-133638-11	FB-3	Total/NA	Water	PrecSep-21	
180-133638-12	DUP-3	Total/NA	Water	PrecSep-21	
180-133644-1	SGWC-10	Total/NA	Water	PrecSep-21	
180-133644-2	SGWC-17	Total/NA	Water	PrecSep-21	
180-133644-3	SGWC-21	Total/NA	Water	PrecSep-21	
180-133644-4	SGWC-20	Total/NA	Water	PrecSep-21	
180-133644-5	SGWC-15	Total/NA	Water	PrecSep-21	
180-133644-6	SGWC-13	Total/NA	Water	PrecSep-21	
180-133644-7	SGWC-19	Total/NA	Water	PrecSep-21	
180-133781-1	SGWC-14	Total/NA	Water	PrecSep-21	
MB 160-551849/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-551849/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-212081-H-15-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 551852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-10	EB-3	Total/NA	Water	PrecSep_0	
180-133638-11	FB-3	Total/NA	Water	PrecSep_0	
180-133638-12	DUP-3	Total/NA	Water	PrecSep_0	
180-133644-1	SGWC-10	Total/NA	Water	PrecSep_0	
180-133644-2	SGWC-17	Total/NA	Water	PrecSep_0	
180-133644-3	SGWC-21	Total/NA	Water	PrecSep_0	
180-133644-4	SGWC-20	Total/NA	Water	PrecSep_0	
180-133644-5	SGWC-15	Total/NA	Water	PrecSep_0	
180-133644-6	SGWC-13	Total/NA	Water	PrecSep_0	
180-133644-7	SGWC-19	Total/NA	Water	PrecSep_0	
180-133781-1	SGWC-14	Total/NA	Water	PrecSep_0	
MB 160-551852/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-551852/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-212081-H-15-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 552009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	PrecSep-21	
180-133602-2	SGWA-2	Total/NA	Water	PrecSep-21	
180-133602-3	SGWA-3	Total/NA	Water	PrecSep-21	
180-133602-4	SGWA-4	Total/NA	Water	PrecSep-21	
180-133602-5	SGWA-5	Total/NA	Water	PrecSep-21	
180-133602-6	SGWC-6	Total/NA	Water	PrecSep-21	
180-133602-7	SGWC-7	Total/NA	Water	PrecSep-21	
180-133602-8	FB-2	Total/NA	Water	PrecSep-21	
180-133602-9	EB-2	Total/NA	Water	PrecSep-21	
180-133602-10	SGWA-25	Total/NA	Water	PrecSep-21	
180-133602-11	DUP-2	Total/NA	Water	PrecSep-21	
180-133638-1	SGWC-8	Total/NA	Water	PrecSep-21	
180-133638-2	SGWC-9	Total/NA	Water	PrecSep-21	
180-133638-3	SGWC-11	Total/NA	Water	PrecSep-21	
180-133638-4	SGWC-12	Total/NA	Water	PrecSep-21	
180-133638-5	SGWC-16	Total/NA	Water	PrecSep-21	
180-133638-6	SGWC-18	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 552009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-7	SGWC-22	Total/NA	Water	PrecSep-21	
MB 160-552009/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-552009/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-552009/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 552011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133602-1	SGWA-1	Total/NA	Water	PrecSep_0	
180-133602-2	SGWA-2	Total/NA	Water	PrecSep_0	
180-133602-3	SGWA-3	Total/NA	Water	PrecSep_0	
180-133602-4	SGWA-4	Total/NA	Water	PrecSep_0	
180-133602-5	SGWA-5	Total/NA	Water	PrecSep_0	
180-133602-6	SGWC-6	Total/NA	Water	PrecSep_0	
180-133602-7	SGWC-7	Total/NA	Water	PrecSep_0	
180-133602-8	FB-2	Total/NA	Water	PrecSep_0	
180-133602-9	EB-2	Total/NA	Water	PrecSep_0	
180-133602-10	SGWA-25	Total/NA	Water	PrecSep_0	
180-133602-11	DUP-2	Total/NA	Water	PrecSep_0	
180-133638-1	SGWC-8	Total/NA	Water	PrecSep_0	
180-133638-2	SGWC-9	Total/NA	Water	PrecSep_0	
180-133638-3	SGWC-11	Total/NA	Water	PrecSep_0	
180-133638-4	SGWC-12	Total/NA	Water	PrecSep_0	
180-133638-5	SGWC-16	Total/NA	Water	PrecSep_0	
180-133638-6	SGWC-18	Total/NA	Water	PrecSep_0	
180-133638-7	SGWC-22	Total/NA	Water	PrecSep_0	
MB 160-552011/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-552011/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-552011/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 552246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-8	SGWC-23	Total/NA	Water	PrecSep-21	
180-133638-9	SGWA-24	Total/NA	Water	PrecSep-21	
MB 160-552246/22-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-552246/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-44660-A-27-E MS	Matrix Spike	Total/NA	Water	PrecSep-21	
160-44660-B-27-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 552250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133638-8	SGWC-23	Total/NA	Water	PrecSep_0	
180-133638-9	SGWA-24	Total/NA	Water	PrecSep_0	
MB 160-552250/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-552250/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-44660-A-27-F MS	Matrix Spike	Total/NA	Water	PrecSep_0	
160-44660-B-27-D MSD	Matrix Spike Duplicate	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

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: 2/10/2022	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 AP1	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
SGWA-1	2/9/2022	13:22	G	GW	6			X	X	X	X	X	X	X	pH= 5.28
SGWA-2	2/9/2022	14:03	G	GW	6			X	X	X	X	X	X	X	pH= 7.01
SGWA-3	2/9/2022	12:35	G	GW	6			X	X	X	X	X	X	X	pH= 5.84
SGWA-4	2/9/2022	11:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.38
SGWA-5	2/9/2022	13:50	G	GW	6			X	X	X	X	X	X	X	pH= 5.56
SGWC-6	2/9/2022	16:00	G	GW	6			X	X	X	X	X	X	X	pH= 6.33
SGWC-7	2/9/2022	16:09	G	GW	6			X	X	X	X	X	X	X	pH= 6.77
FB-2	2/9/2022	12:10	G	GW	6			X	X	X	X	X	X	X	
EB-2	2/9/2022	14:20	G	GW	6			X	X	X	X	X	X	X	
SGWA-25	2/9/2022	15:02	G	GW	6			X	X	X	X	X	X	X	pH= 6.17

Stamp: 244 ATLANTA

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 4 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 Dis[...] onger than 1 month)
☐ Return t[...] Archive for________ Months

180-133602 Chain of Custody

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: WSP-Ladson	Date/Time: 02/10/22 08:25	Received by: Elaine Cool[signature]	Company: Courier Now	Date/Time: 2/10/22
Relinquished by: [signature]	Company:	Date/Time: 2/10/22 1009	Received by: [signature]	Company:	Date/Time: 2/10/22 1009
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature] Watson	Company: ETA Pitt	Date/Time: 2-11-22 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: 2/11/2022	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 AP1	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	ple Specific Notes:
SGWC-8	2/10/2022	10:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.47
SGWC-9	2/10/2022	11:25	G	GW	6			X	X	X	X	X	X	X	pH= 6.25
SGWC-11	2/10/2022	13:02	G	GW	8			X	X	X	X	X	X	X	pH= 5.11
SGWC-12	2/10/2022	15:30	G	GW	6			X	X	X	X	X	X	X	pH= 6.19
SGWC-16	2/10/2022	16:20	G	GW	6			X	X	X	X	X	X	X	pH= 5.21
SGWC-18	2/10/2022	15:25	G	GW	6			X	X	X	X	X	X	X	pH= 4.86
SGWC-22	2/10/2022	10:46	G	GW	6			X	X	X	X	X	X	X	pH= 5.78
SGWC-23	2/10/2022	09:40	G	GW	6			X	X	X	X	X	X	X	pH= 6.13
SGWA-24	2/10/2022	13:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.38
EB-3	2/10/2022	16:50	G	GW	6			X	X	X	X	X	X	X	
FB-3	2/10/2022	14:00	G	GW	6			X	X	X	X	X	X	X	
DUP-3	2/10/2022	--	G	GW	6			X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	1	4	4	1	5	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 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	Date/Time: 2/11/22 16:03	Received by:	Company: ETA	Date/Time: 2/11/22 16:03
Relinquished by: GTA	Company: 16:30	Date/Time: 2/11/22	Received by:	Company: FEDEX PIT	Date/Time: 2/12/22 1245
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

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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: 2/11/2022	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 AP1	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	ple Specific Notes:
SGWC-10	2/11/2022	09:24	G	GW	6			X	X	X	X	X	X	X	pH= 5.13
SGWC-17	2/11/2022	09:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.39
SGWC-21	2/11/2022	9:30	G	GW	6			X	X	X	X	X	X	X	pH= 6.31
SGWC-20	2/11/2022	10:20	G	GW	6			X	X	X	X	X	X	X	pH= 4.25
SGWC-15	2/11/2022	11:06	G	GW	8			X	X	X	X	X	X	X	pH= 4.59
SGWC-13	2/11/2022	11:05	G	GW	6			X	X	X	X	X	X	X	pH= 6.02
SGWC-19	2/11/2022	11:06	G	GW	6			X	X	X	X	X	X	X	pH= 5.65
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	1	4	4	1	5	1	

180-133644 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:	Company: Golder 16:03	Date/Time: 2/11/22	Received by:	Company: ETA 2/11/22 16:03
Relinquished by:	Company: ETA 16:30	Date/Time: 2/11/22	Received by:	Company: 2/12/22 1245	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

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	Date: 2/15/2022	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 AP1	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

244 - ATLANTA

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 III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe	ple Specific Notes:
SGWC-14	2/14/2022	11:22	G	GW	6			X	X	X	X	X	X	X	pH= 5.77
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	1	4	4	1	5	1	

180-133781 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.:

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by:	WSP-Baton	2/15/22 7:55	Elaine Cook	Courier Now	2/15/22
Relinquished by:	Company:	Date/Time:	Received by: Michael Meeks	Company: 1045	Date/Time: 2-15-22 9:50
Relinquished by: Michael Meeks	Company:	Date/Time: 2-15-22 9:50	Received in Laboratory by:	Company: 2/16/22	Date/Time:

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

FedEx®

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

REF:
DEPT:
INV:
PO:

FedEx Express

1 of 6

TRK# 0201 5220 7116 1680

FRI – 11 FEB 10:30A
PRIORITY OVERNIGHT

MASTER

NA AGCA

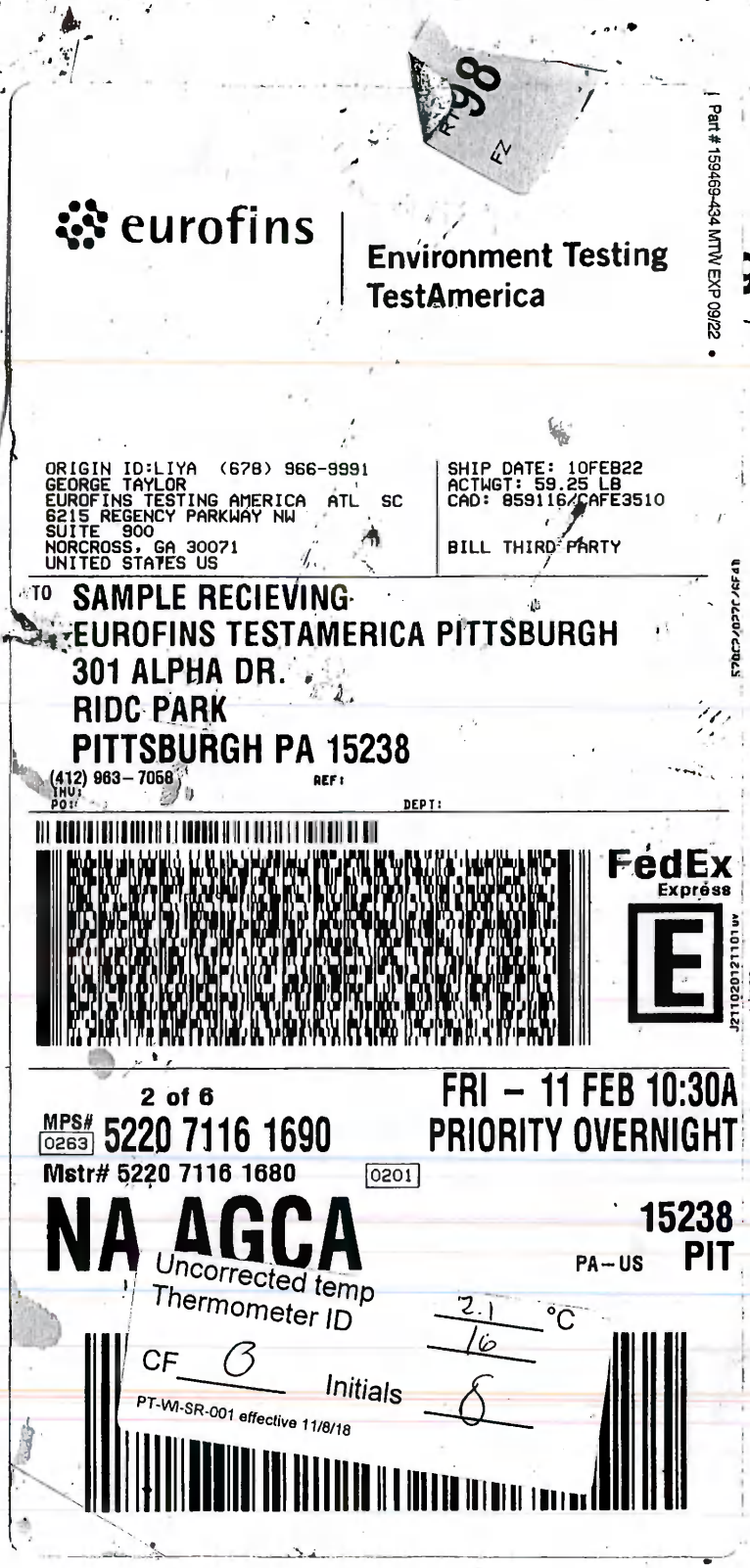
15238
PIT
PA-US

180-133602 Waybill

Uncorrected temp 3.8 °C
Thermometer ID 16

CF 0 Initials

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



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

FedEx Express

J211020121101uv

2 of 6
MPS# 0263 5220 7116 1690
Mstr# 5220 7116 1680 0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 6 Initials 8

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

Do not lift using this tab.

eurofins | Environment Testing TestAmerica

1 A 1705 02.11
10:30
RT 98 FZ

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

FedEx Express

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0.0 Initials 8
PT-WI-SR-001 effective 11/8/18

11 FEB 10:30A
PRIORITY OVERNIGHT

MPS# 0263 5220 7116 1705
Mstr# 5220 7116 1680
0201

NA AGCA

15238
PA-US PIT

FedEx®

Do not li tag.

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

Uncorrected temp [illegible]
Thermometer ID [illegible]
CF [illegible] Initials [illegible]
PT-WI-SR-001 effective [illegible]

FedEx Express

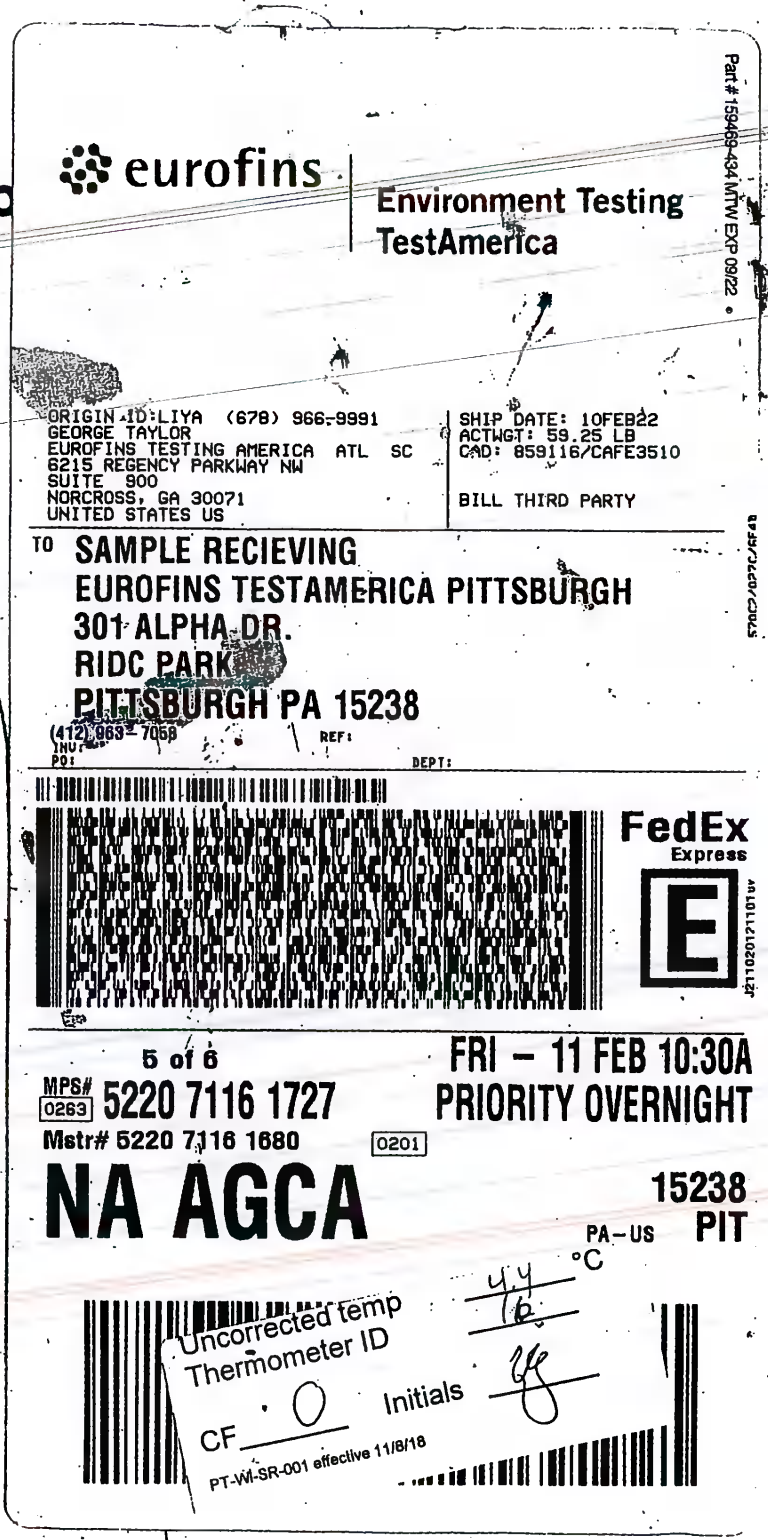
E

4 of 6
MPS# 0263 5220 7116 1716
Mstr# 5220 7116 1680
0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT



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Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

FedEx Express

5 of 6

MPS# 0263 5220 7116 1727

Mstr# 5220 7116 1680 0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 4.4 °C
Thermometer ID 16
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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859716/CAFE3510

BILL THIRD PARTY

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

(412) 963-7058 REF:
INV:
PO: DEPT:

4.4 °C
Uncorrected temp
Thermometer ID
Initials
CF

FedEx Express

SR-001 effective 11/8/18

1 of 6

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

5220 7116 1738

Mstr# 5220 7116 1680

0201

NA AGCA

15238
PA-US PIT

3/21/2022

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

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6 of 6

MPS# 0263 5220 7116 2285

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 0.4 °C
Thermometer ID 16
CF 0 Initials

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

180-133638 Waybill

eurofins | Environment Testing
TestAmerica

Part # 159469-434 MTW EXP 09/22

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

DATE: 11FEB22
WGT: 51.15 LB
859116/CAFE3510

BILL RECIPIENT

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

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E

J211020121101uv

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

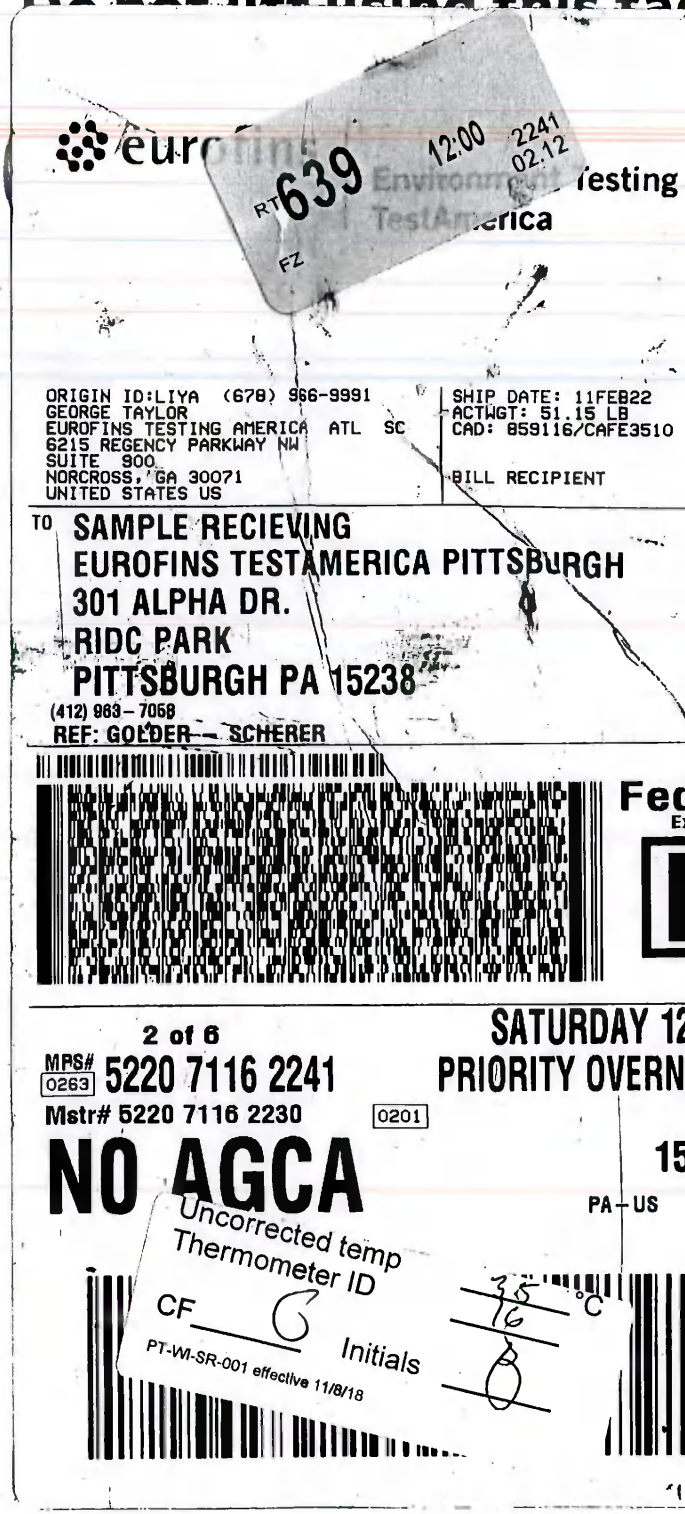
MASTER

NO AGCA

15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 16
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

Do not lift using this tag



eurofins Environment Testing TestAmerica

RT 639 12:00 2241 02.12 FZ

Part # 159469-434 MTW EXP 0822

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

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2 of 6

MPS# 0263 5220 7116 2241

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18

35
16
°C

FedEx®

3/21/2022

Part # 159469-434 MTW EXP 09/22

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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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

3 of 6

MPS# 0263 5220 7116 2252

Mstr# 5220 7116 2230

0201

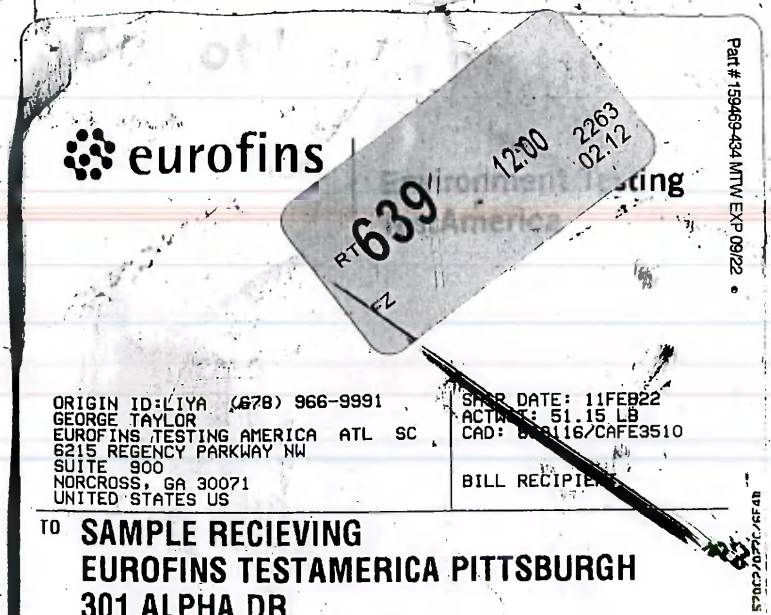
SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials JB

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



eurofins

Part # 159469-434 MTW EXP 09/22

RT 639 12:00 2263 02.12

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: 11FEB22
ACTWGT: 51.15 LB
CAD: [illegible]116/CAFE3510

BILL RECIPIENT

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

FedEx Express

4 of 6

MPS# 0263 5220 7116 2263

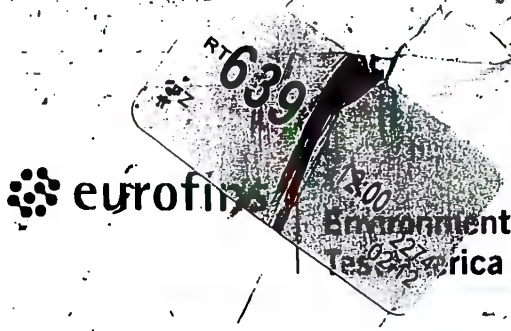
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effecti 11/8/16



Part # 159469-434 MTW EXP 09/22

3/21/2022

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

5 of 6

SATURDAY 12:00P

MPS# 0263 **5220 7116 2274**

PRIORITY OVERNIGHT

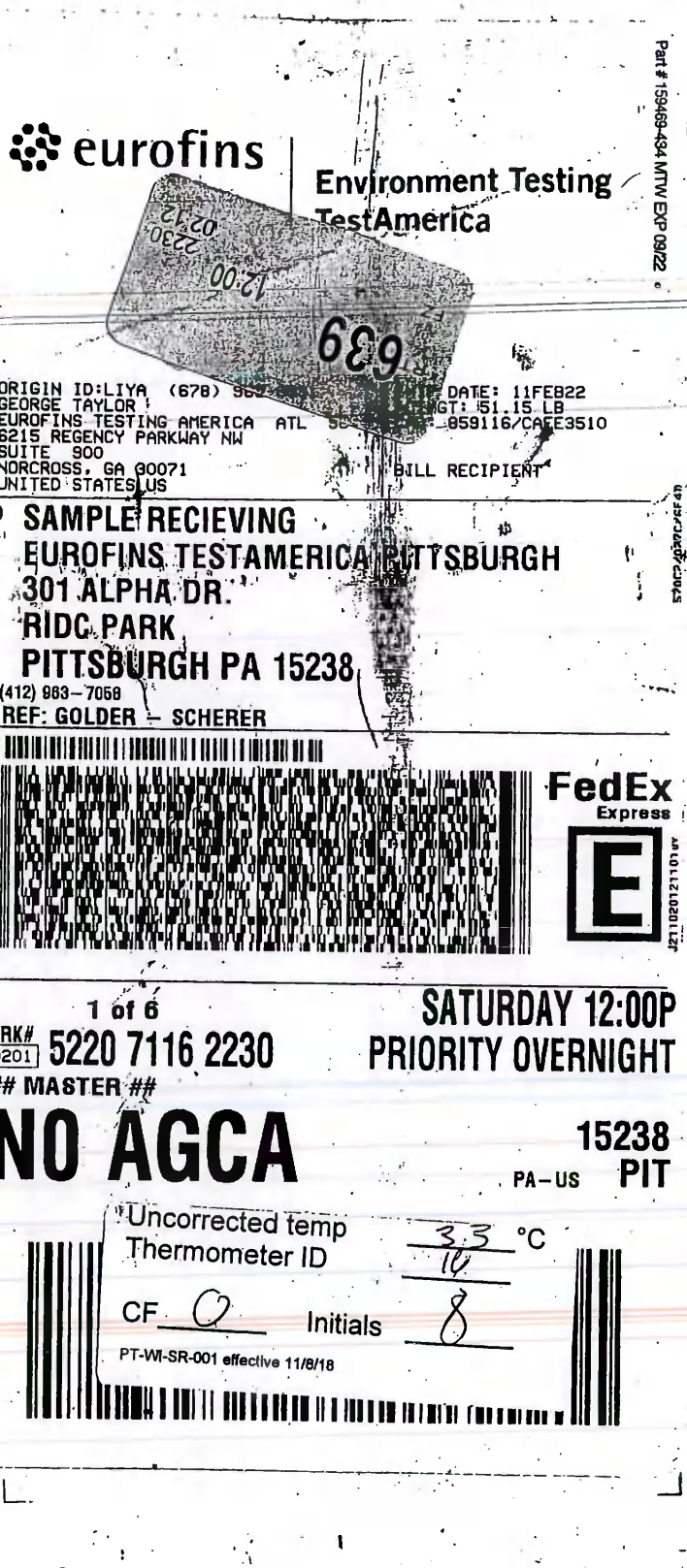
Mstr# 5220 7116 2230 0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials

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



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

ORIGIN ID:LIYA (678) 9[illegible]
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL [illegible]
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

DATE: 11FEB22
GT: 51.15 LB
859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

MASTER

NO AGCA

15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 10
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

180-133644 Waybill


Do not lift using this tag
eurofins
Environment Testing
TestAmerica
639
12:00
2241
02 A2
Part # 159469-434 MTW EXP 0822
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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER - SCHERER
FedEx Express
2 of 6
MPS# 0263 5220 7116 2241
Mstr# 5220 7116 2230
0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
NO AGCA
15238
PA-US PIT
Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18
35
16
°C

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

3 of 6
MPS# 0263 5220 7116 2252
Mstr# 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

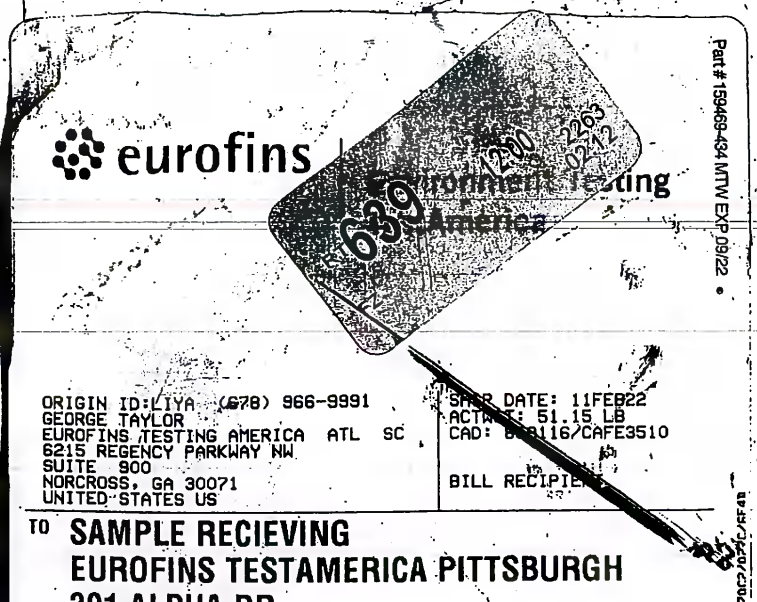
0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials JB

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



eurofins | Environment Testing America

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: [illegible]/CAFE3510

BILL RECIPIENT

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

FedEx Express

J211020121101uv

4 of 6

MPS# 0263 5220 7116 2263

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effect 11/8/16

Part # 159469-434 MTW EXP 09/22

eurofins Environment Testing TestAmerica

RT 639 12:00 2/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

E

J211020121101uv

570C3/0272/5F4B

5 of 6

MPS# 0263 5220 7116 2274

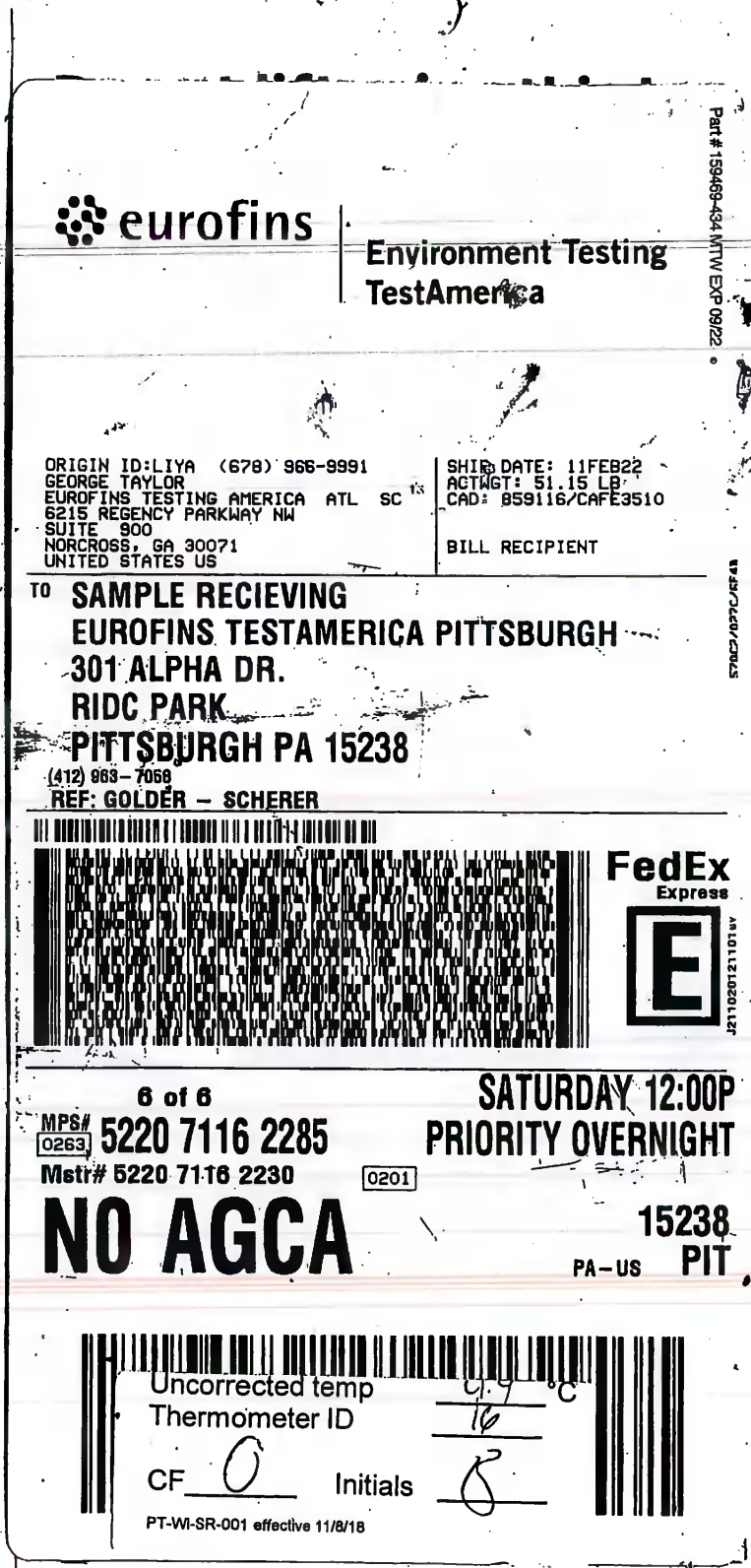
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

15238
PA-US PIT

NO AGCA

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

6 of 6
MPS# 0263 5220 7116 2285
Mstr# 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.7 °C
Thermometer ID 16
CF 0 Initials

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


Do not remove
Part # 15969-434 MTW EXP 09/22
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: 15FEB22
ACTWGT: 56.95 LB
CAD: 859116/CAFE3510
BILL RECIPIENT
TO SAMPLE RECIEVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: GOLDER - PLT SCHERERE
FedEx Express
180-133781 Waybill
2 of 2
MPS# 0263 5220 7116 2399
Mstr# 5220 7116 2388
0201
NA AGCA
15238
PA-US PIT
Uncorrected temp 4.5 °C
Thermometer ID 16
CF 0 Initials S
PT-WI-SR-001 effective 11/8/18
1 of 2
TRK# 0201 5220 7116 2388
MASTER
WED - 16 FEB 10:30A
PRIORITY OVERNIGHT
NA AGCA
15238
-US PIT
Uncorrected temp 5.6 °C
Thermometer ID 16
CF 0 Initials S
PT-WI-SR-001 effective 11/8/18

Eurofins 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: 180-454880.1
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 #: 180-133602-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 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:								
SGWA-1 (180-133602-1)	2/9/22	13:22 Eastern		Water			X	X	X	2	
SGWA-2 (180-133602-2)	2/9/22	14:03 Eastern		Water			X	X	X	2	
SGWA-3 (180-133602-3)	2/9/22	12:35 Eastern		Water			X	X	X	2	
SGWA-4 (180-133602-4)	2/9/22	11:10 Eastern		Water			X	X	X	2	
SGWA-5 (180-133602-5)	2/9/22	13:50 Eastern		Water			X	X	X	2	
SGWC-6 (180-133602-6)	2/9/22	16:00 Eastern		Water			X	X	X	2	
SGWC-7 (180-133602-7)	2/9/22	16:09 Eastern		Water			X	X	X	2	
FB-2 (180-133602-8)	2/9/22	12:10 Eastern		Water			X	X	X	2	
EB-2 (180-133602-9)	2/9/22	14:20 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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
[illegible]	2-14-22 1700	eet/pt	FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: 0910 2/5-22	Company GMSTL
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 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: 180-454880.2
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 #: 180-133602-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 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:								
SGWA-25 (180-133602-10)	2/9/22	15:02 Eastern		Water			X	X	X	2	
DUP-2 (180-133602-11)	2/9/22	Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	MB	2-14-22 1700	ETSR	FED EX		
2	Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: 2-15-22 0910	Company ETSR
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Eurofins 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: 180-454880.1
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 #: 180-133638-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/20/2022			
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 AP1	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-8 (180-133638-1)	2/10/22	10:10 Eastern		Water			X	X	X	2	
SGWC-9 (180-133638-2)	2/10/22	11:25 Eastern		Water			X	X	X	2	
SGWC-11 (180-133638-3)	2/10/22	13:02 Eastern		Water			X	X	X	4	
SGWC-12 (180-133638-4)	2/10/22	15:30 Eastern		Water			X	X	X	2	
SGWC-16 (180-133638-5)	2/10/22	16:20 Eastern		Water			X	X	X	2	
SGWC-18 (180-133638-6)	2/10/22	15:25 Eastern		Water			X	X	X	2	
SGWC-22 (180-133638-7)	2/10/22	10:46 Eastern		Water			X	X	X	2	
SGWC-23 (180-133638-8)	2/10/22	09:40 Eastern		Water			X	X	X	2	
SGWC-24 (180-133638-9)	2/10/22	13:45 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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
[illegible]	2-14-22 1700	[illegible]	FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Dena Worthington	Date/Time: 2-15-22 0910	Company ENSTL
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 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: 180-454880.2
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 #: 180-133638-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/20/2022			
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 AP1	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:								
EB-3 (180-133638-10)	2/10/22	16:50 Eastern		Water			X	X	X	2	
FB-3 (180-133638-11)	2/10/22	14:00 Eastern		Water			X	X	X	2	
DUP-3 (180-133638-12)	2/10/22	00:01 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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
[signature]	2-14-22 1700	FEDEX	FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: 2-15-22 0910	Company ETAST
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 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: 180-454880.1
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 #: 180-133644-2
Address: 13715 Rider Trail North,	Due Date Requested: 3/20/2022			
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 AP1	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

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:

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-10 (180-133644-1)	2/11/22	09:24 Eastern		Water			X	X	X	2	
SGWC-17 (180-133644-2)	2/11/22	09:45 Eastern		Water			X	X	X	2	
SGWC-21 (180-133644-3)	2/11/22	09:30 Eastern		Water			X	X	X	2	
SGWC-20 (180-133644-4)	2/11/22	10:20 Eastern		Water			X	X	X	2	
SGWC-15 (180-133644-5)	2/11/22	11:06 Eastern		Water			X	X	X	4	
SGWC-13 (180-133644-6)	2/11/22	11:05 Eastern		Water			X	X	X	2	
SGWC-19 (180-133644-7)	2/11/22	11:06 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2-14-22 1700	[illegible]	FED EX		
2	FED EX			[signature] Sierra Worthington	2-15-22 0910	ETAS
3						

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133602-2

Login Number: 133602
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins 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: 180-133602-2

Login Number: 133602
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/15/22 12:23 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: 180-133602-2

Login Number: 133638
List Number: 1
Creator: Jodis, Matthew V

List Source: Eurofins 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: 180-133602-2

Login Number: 133638
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/15/22 12:23 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: 180-133602-2

Login Number: 133644
List Number: 1
Creator: Jodis, Matthew V

List Source: Eurofins 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: 180-133602-2

Login Number: 133644
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/15/22 01:44 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: 180-133602-2

Login Number: 133781
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins 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: 180-133602-2

Login Number: 133781
List Number: 2
Creator: Johnson, Autumn R

List Source: Eurofins St. Louis
List Creation: 02/19/22 10:59 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.	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 Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133600-1
Client Project/Site: Plant Scherer AP1 Assessment

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

Attn: Joju Abraham

Authorized for release by:
2/28/2022 5:01:07 PM

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

LINKS

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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: 180-133600-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133600-1

Receipt
The samples were received on 2/11/2022 9:30 AM and 2/12/2022 12:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 1.7°C, 2.1°C, 2.1°C, 2.4°C, 2.6°C, 3.3°C, 3.5°C, 3.8°C, 4.4°C, 4.4°C, 4.6°C and 4.6°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.

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

Metals
Method 7470A: The continuing calibration verification (CCV), low level continuing calibration verification (CCVL) and the laboratory control samples (LCS) and MS/MSD associated with batch 180-389210 recovered above the upper control limit for mercury. The samples associated with these QC were below the reporting limit for the affected analyte; therefore, the data have been reported.

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

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

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

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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: 180-133600-1
Project/Site: Plant Scherer AP1 Assessment

Laboratory: Eurofins 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	06-27-22
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	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22
North Carolina (WW/SW)	State	434	12-31-22
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	06-30-22
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	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	07-01-23
New York	NELAP	11452	04-01-22
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

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

Sample Summary

Client: Southern Company
Job ID: 180-133600-1
Project/Site: Plant Scherer AP1 Assessment

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133600-1	PZ-13S	Water	02/08/22 16:20	02/11/22 09:30
180-133600-2	PZ-14S	Water	02/08/22 16:50	02/11/22 09:30
180-133600-3	PZ-17I	Water	02/09/22 13:10	02/11/22 09:30
180-133600-4	PZ-39S	Water	02/09/22 10:15	02/11/22 09:30
180-133600-5	PZ-41S	Water	02/09/22 15:25	02/11/22 09:30
180-133600-6	PZ-42I	Water	02/09/22 13:10	02/11/22 09:30
180-133600-7	PZ-43S	Water	02/09/22 10:30	02/11/22 09:30
180-133600-8	PZ-44I	Water	02/09/22 15:45	02/11/22 09:30
180-133600-9	FB-1	Water	02/09/22 13:35	02/11/22 09:30
180-133600-10	EB-1	Water	02/09/22 16:30	02/11/22 09:30
180-133600-11	DUP-1	Water	02/09/22 00:00	02/11/22 09:30
180-133641-1	PZ-40I	Water	02/10/22 11:27	02/12/22 12:45
180-133641-2	PZ-69I	Water	02/10/22 11:27	02/12/22 12:45

Method Summary

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

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
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM 3500	Iron, Ferric	SM	TAL EDI
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL EDI
SM2320 B	Alkalinity, Total	SM18	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
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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 EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Client Sample ID: PZ-13S

Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-1

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			388044	02/12/22 15:48	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 14:29	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:37	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 16:28	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:05	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:05	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 22:19	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/08/22 16:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-14S

Date Collected: 02/08/22 16:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-2

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			388044	02/12/22 16:53	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 14:41	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:40	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 16:37	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:05	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:05	HTV	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Job ID: 180-133600-1
Project/Site: Plant Scherer AP1 Assessment

Client Sample ID: PZ-14S
Lab Sample ID: 180-133600-2
Date Collected: 02/08/22 16:50
Matrix: Water
Date Received: 02/11/22 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	SM2320 B		1			388836	02/17/22 22:26	CMT	TAL PIT
Total/NA	Analysis	Field Sampling		1			388945	02/08/22 16:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-17I
Lab Sample ID: 180-133600-3
Date Collected: 02/09/22 13:10
Matrix: Water
Date Received: 02/11/22 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			388044	02/12/22 17:36	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 14:43	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:41	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388278	02/15/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388385	02/15/22 16:45	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:05	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:05	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 22:33	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 13:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-39S
Lab Sample ID: 180-133600-4
Date Collected: 02/09/22 10:15
Matrix: Water
Date Received: 02/11/22 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			388044	02/12/22 17:51	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 14:46	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:42	RJR	TAL PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-39S

Date Collected: 02/09/22 10:15
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-4

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	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 13:58	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 22:53	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 10:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-41S

Date Collected: 02/09/22 15:25
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-5

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			388044	02/12/22 18:05	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 14:54	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:43	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 14:19	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:08	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 10:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-42I

Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-6

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			388044	02/12/22 18:34	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 300.0 R2.1		5			388044	02/12/22 18:48	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:01	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:44	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 14:26	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:15	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 13:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-43S

Date Collected: 02/09/22 10:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-7

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			388044	02/12/22 19:03	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:09	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:48	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 14:33	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									

Client Sample ID: PZ-43S

Lab Sample ID: 180-133600-7

Date Collected: 02/09/22 10:30

Matrix: Water

Date Received: 02/11/22 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	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:22	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 10:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-44I

Lab Sample ID: 180-133600-8

Date Collected: 02/09/22 15:45

Matrix: Water

Date Received: 02/11/22 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			388044	02/12/22 19:46	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:12	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:49	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 14:40	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:29	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			388945	02/09/22 10:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-1

Lab Sample ID: 180-133600-9

Date Collected: 02/09/22 13:35

Matrix: Water

Date Received: 02/11/22 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			388044	02/12/22 20:01	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:14	RSK	TAL PIT
	Instrument ID: NEMO									

Client Sample ID: FB-1

Lab Sample ID: 180-133600-9

Date Collected: 02/09/22 13:35

Matrix: Water

Date Received: 02/11/22 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	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:50	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 14:47	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:34	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-1

Lab Sample ID: 180-133600-10

Date Collected: 02/09/22 16:30

Matrix: Water

Date Received: 02/11/22 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			388044	02/12/22 20:15	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:17	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388493	02/16/22 11:34	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389466	02/24/22 13:52	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 15:08	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:39	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: DUP-1

Lab Sample ID: 180-133600-11

Date Collected: 02/09/22 00:00

Matrix: Water

Date Received: 02/11/22 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			388044	02/12/22 20:29	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 300.0 R2.1		5			388044	02/12/22 20:44	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	388280	02/15/22 10:05	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 15:20	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388494	02/16/22 11:35	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			388686	02/17/22 14:32	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Prep	9030B			50 mL	50 mL	388282	02/16/22 12:00	HEK	TAL PIT
Total/NA	Analysis	EPA 9034		1			388532	02/16/22 15:15	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388075	02/12/22 14:58	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829800	02/22/22 17:13	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829718	02/22/22 17:13	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			388836	02/17/22 23:46	CMT	TAL PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: PZ-40I

Lab Sample ID: 180-133641-1

Date Collected: 02/10/22 11:27

Matrix: Water

Date Received: 02/12/22 12:45

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			388136	02/15/22 05:27	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	EPA 300.0 R2.1		5			388136	02/15/22 05:40	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:19	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:03	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:19	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 16:58	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388541	02/16/22 16:17	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 19:25	TJW	TAL EDI
	Instrument ID: Konelab1									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-40I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-1

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	SM 3500 FE D		1			829723	02/22/22 19:25	HTV	TAL EDI
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 14:00	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389113	02/10/22 11:27	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-69I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-2

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			388136	02/15/22 03:48	JRB	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	25 mL	388283	02/15/22 10:07	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388563	02/16/22 16:27	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	388987	02/21/22 12:03	KEM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			389210	02/22/22 13:20	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Prep	9030B			50 mL	50 mL	388545	02/17/22 10:30	CMR	TAL PIT
Total/NA	Analysis	EPA 9034		1			388646	02/17/22 17:12	HEK	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388541	02/16/22 16:17	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 3500		1			829801	02/22/22 19:25	TJW	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM 3500 FE D		1			829723	02/22/22 19:25	HTV	TAL EDI
	Instrument ID: Konelab1									
Total/NA	Analysis	SM2320 B		1			389075	02/19/22 14:06	CMT	TAL PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			389113	02/10/22 11:27	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Analyst References:

Lab: TAL EDI

Batch Type: Analysis

HTV = Huan Vu

TJW = Tiffany Wallace

Lab: TAL PIT

Batch Type: Prep

CMR = Carl Reagle

HEK = Hope Kiesling

KEM = Kimberly Mahoney

RGM = Rebecca Manns

RJR = Ron Rosenbaum

Batch Type: Analysis

CMT = Cassandra Tlumac

FDS = Sampler Field

HEK = Hope Kiesling

JCR = Jessica Rodgers

JRB = James Burzio

KEM = Kimberly Mahoney

RJR = Ron Rosenbaum

RSK = Robert Kurtz

SNR = Sabra Richart

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-13S

Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.9**		1.0	0.71	mg/L			02/12/22 15:48	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 15:48	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:29	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:29	1
Barium	**0.049**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:29	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:29	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:29	1
Calcium	**4.7**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:29	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:29	1
Cobalt	**0.0052**		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:29	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:29	1
Lithium	**0.0025**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:29	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:29	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:29	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:29	1
Sodium	**5.0**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:29	1
Potassium	**0.39**	**J**	0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:29	1
Magnesium	**1.6**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:29	1
Manganese	**0.051**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:29	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		02/16/22 11:34	02/24/22 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.7**	**J**	3.0	2.1	mg/L		02/15/22 12:00	02/15/22 16:28	1
Total Dissolved Solids	**37**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	**0.22**		0.10	0.10	mg/L			02/22/22 17:05	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:05	1
Total Alkalinity as CaCO3 to pH 4.5	**16**		5.0	5.0	mg/L			02/17/22 22:19	1
Bicarbonate Alkalinity as CaCO3	**16**		5.0	5.0	mg/L			02/17/22 22:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 22:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.92**				SU			02/08/22 16:20	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-14S

Date Collected: 02/08/22 16:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		1.0	0.71	mg/L			02/12/22 16:53	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 16:53	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:41	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:41	1
Barium	**0.033**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:41	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:41	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:41	1
Calcium	**4.0**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:41	1
Chromium	**0.0018**	**J**	0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:41	1
Cobalt	**0.00028**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:41	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:41	1
Lithium	**0.0015**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:41	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:41	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:41	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:41	1
Sodium	**1.9**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:41	1
Potassium	**0.60**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:41	1
Magnesium	**2.5**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:41	1
Manganese	**0.0097**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:41	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		02/16/22 11:34	02/24/22 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 16:37	1
Total Dissolved Solids	**48**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:05	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:05	1
Total Alkalinity as CaCO3 to pH 4.5	**22**		5.0	5.0	mg/L			02/17/22 22:26	1
Bicarbonate Alkalinity as CaCO3	**22**		5.0	5.0	mg/L			02/17/22 22:26	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 22:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.42**				SU			02/08/22 16:50	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-17I

Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.9**		1.0	0.71	mg/L			02/12/22 17:36	1
Fluoride	**0.028**	**J**	0.10	0.026	mg/L			02/12/22 17:36	1
Sulfate	**100**		1.0	0.76	mg/L			02/12/22 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00061**	**J**	0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:43	1
Barium	**0.060**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:43	1
Boron	**0.16**		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:43	1
Calcium	**35**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:43	1
Chromium	**0.0036**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:43	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:43	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:43	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:43	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:43	1
Sodium	**11**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:43	1
Potassium	**2.0**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:43	1
Magnesium	**15**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:43	1
Manganese	**0.0016**	**J**	0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:43	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		02/16/22 11:34	02/24/22 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 16:45	1
Total Dissolved Solids	**240**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:05	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:05	1
Total Alkalinity as CaCO3 to pH 4.5	**62**		5.0	5.0	mg/L			02/17/22 22:33	1
Bicarbonate Alkalinity as CaCO3	**62**		5.0	5.0	mg/L			02/17/22 22:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 22:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.71**				SU			02/09/22 13:10	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-39S

Date Collected: 02/09/22 10:15
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		1.0	0.71	mg/L			02/12/22 17:51	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 17:51	1
Sulfate	**38**		1.0	0.76	mg/L			02/12/22 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:46	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:46	1
Barium	**0.040**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:46	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:46	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:46	1
Calcium	**22**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:46	1
Chromium	**0.028**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:46	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:46	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:46	1
Lithium	**0.012**		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:46	1
Molybdenum	**0.0011**	**J**	0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:46	1
Selenium	**0.0022**	**J**	0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:46	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:46	1
Sodium	**6.6**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:46	1
Potassium	**1.6**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:46	1
Magnesium	**9.1**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:46	1
Manganese	**0.14**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:46	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		02/16/22 11:34	02/24/22 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 13:58	1
Total Dissolved Solids	**150**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**75**		5.0	5.0	mg/L			02/17/22 22:53	1
Bicarbonate Alkalinity as CaCO3	**75**		5.0	5.0	mg/L			02/17/22 22:53	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 22:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.55**				SU			02/09/22 10:15	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-41S

Date Collected: 02/09/22 15:25
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.8**		1.0	0.71	mg/L			02/12/22 18:05	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 18:05	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:54	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:54	1
Barium	**0.026**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:54	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:54	1
Boron	**3.2**		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:54	1
Calcium	**120**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:54	1
Chromium	**0.0058**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:54	1
Cobalt	**0.00093**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:54	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:54	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:54	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:54	1
Selenium	**0.0061**		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:54	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:54	1
Sodium	**45**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:54	1
Potassium	**3.7**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:54	1
Magnesium	**42**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:54	1
Manganese	**0.011**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:54	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		02/16/22 11:34	02/24/22 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.3**	**J**	3.0	2.1	mg/L		02/16/22 12:00	02/16/22 14:19	1
Total Dissolved Solids	**820**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	**0.21**		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**21**		5.0	5.0	mg/L			02/17/22 23:08	1
Bicarbonate Alkalinity as CaCO3	**21**		5.0	5.0	mg/L			02/17/22 23:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.95**				SU			02/09/22 15:25	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-42I

Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-6

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			02/12/22 18:34	1
Fluoride	**0.033**	**J**	0.10	0.026	mg/L			02/12/22 18:34	1
Sulfate	**240**		5.0	3.8	mg/L			02/12/22 18:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:01	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:01	1
Barium	**0.056**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:01	1
Boron	**2.7**		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:01	1
Calcium	**68**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:01	1
Cobalt	**0.00061**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:01	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:01	1
Lithium	**0.0026**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:01	1
Molybdenum	**0.0057**	**J**	0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:01	1
Sodium	**27**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:01	1
Potassium	**3.5**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:01	1
Magnesium	**27**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:01	1
Manganese	**0.14**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:01	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		02/16/22 11:34	02/24/22 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.3**	**J**	3.0	2.1	mg/L		02/16/22 12:00	02/16/22 14:26	1
Total Dissolved Solids	**470**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	**0.24**	**HF**	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**76**		5.0	5.0	mg/L			02/17/22 23:15	1
Bicarbonate Alkalinity as CaCO3	**76**		5.0	5.0	mg/L			02/17/22 23:15	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.25**				SU			02/09/22 13:10	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-43S

Date Collected: 02/09/22 10:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.5**		1.0	0.71	mg/L			02/12/22 19:03	1
Fluoride	**0.028**	**J**	0.10	0.026	mg/L			02/12/22 19:03	1
Sulfate	**150**		1.0	0.76	mg/L			02/12/22 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:09	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:09	1
Barium	**0.085**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:09	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:09	1
Boron	**0.90**		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:09	1
Calcium	**54**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:09	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:09	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:09	1
Lithium	**0.0031**	**J**	0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:09	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:09	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:09	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:09	1
Sodium	**10**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:09	1
Potassium	**3.4**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:09	1
Magnesium	**15**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:09	1
Manganese	**0.025**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:09	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		02/16/22 11:34	02/24/22 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**4.9**		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 14:33	1
Total Dissolved Solids	**310**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**54**		5.0	5.0	mg/L			02/17/22 23:22	1
Bicarbonate Alkalinity as CaCO3	**54**		5.0	5.0	mg/L			02/17/22 23:22	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.66**				SU			02/09/22 10:30	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-44I

Date Collected: 02/09/22 15:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-8

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			02/12/22 19:46	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 19:46	1
Sulfate	**0.76**	**J**	1.0	0.76	mg/L			02/12/22 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:12	1
Barium	**0.0078**	**J**	0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:12	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:12	1
Calcium	**20**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:12	1
Cobalt	**0.0024**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:12	1
Lithium	**0.010**		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:12	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:12	1
Sodium	**5.5**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:12	1
Potassium	**1.9**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:12	1
Magnesium	**9.7**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:12	1
Manganese	**0.20**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:12	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		02/16/22 11:34	02/24/22 13:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 14:40	1
Total Dissolved Solids	**120**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	**0.31**		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	**0.28**	**HF**	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**100**		5.0	5.0	mg/L			02/17/22 23:29	1
Bicarbonate Alkalinity as CaCO3	**100**		5.0	5.0	mg/L			02/17/22 23:29	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.57**				SU			02/09/22 15:45	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: FB-1

Date Collected: 02/09/22 13:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-9

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			02/12/22 20:01	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 20:01	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:14	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:14	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:14	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:14	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:14	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:14	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:14	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:14	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:14	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:14	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:14	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:14	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:14	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:14	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:14	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		02/16/22 11:34	02/24/22 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 14:47	1
Total Dissolved Solids	<10		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/17/22 23:34	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:34	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:34	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: EB-1

Date Collected: 02/09/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-10

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			02/12/22 20:15	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 20:15	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:17	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:17	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:17	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:17	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:17	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:17	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:17	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:17	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:17	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:17	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:17	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:17	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:17	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:17	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:17	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:17	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:17	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		02/16/22 11:34	02/24/22 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 15:08	1
Total Dissolved Solids	<10		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	<0.10		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	**0.14**	**HF**	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			02/17/22 23:39	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:39	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: DUP-1

Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.7**		1.0	0.71	mg/L			02/12/22 20:29	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 20:29	1
Sulfate	**520**		5.0	3.8	mg/L			02/12/22 20:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 15:20	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 15:20	1
Barium	**0.026**		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 15:20	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 15:20	1
Boron	**3.2**		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 15:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 15:20	1
Calcium	**120**		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 15:20	1
Chromium	**0.0053**		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 15:20	1
Cobalt	**0.00090**	**J**	0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 15:20	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 15:20	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 15:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 15:20	1
Selenium	**0.0060**		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 15:20	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 15:20	1
Sodium	**45**		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 15:20	1
Potassium	**3.7**		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 15:20	1
Magnesium	**42**		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 15:20	1
Manganese	**0.012**		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 15:20	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		02/16/22 11:35	02/17/22 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 15:15	1
Total Dissolved Solids	**790**		10	10	mg/L			02/12/22 14:58	1
Ferric Iron	**0.22**		0.10	0.10	mg/L			02/22/22 17:13	1
Ferrous Iron	<0.081	HF	0.10	0.081	mg/L			02/22/22 17:13	1
Total Alkalinity as CaCO3 to pH 4.5	**22**		5.0	5.0	mg/L			02/17/22 23:46	1
Bicarbonate Alkalinity as CaCO3	**22**		5.0	5.0	mg/L			02/17/22 23:46	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 23:46	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-40I
Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-1
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			02/15/22 05:27	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 05:27	1
Sulfate	**720**		5.0	3.8	mg/L			02/15/22 05:40	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:19	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:19	1
Barium	**0.042**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:19	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:19	1
Boron	**4.1**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:19	1
Calcium	**150**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:19	1
Cobalt	**0.0025**		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:19	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:19	1
Lithium	**0.010**		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:19	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:19	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:19	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:19	1
Sodium	**56**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:19	1
Potassium	**8.1**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:19	1
Magnesium	**60**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:19	1
Manganese	**0.38**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:03	02/22/22 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/17/22 10:30	02/17/22 16:58	1
Total Dissolved Solids	**1200**		10	10	mg/L			02/16/22 16:17	1
Ferric Iron	**0.43**		0.10	0.10	mg/L			02/22/22 19:25	1
Ferrous Iron	**0.97**	**HF**	0.10	0.081	mg/L			02/22/22 19:25	1
Total Alkalinity as CaCO3 to pH 4.5	**33**		5.0	5.0	mg/L			02/19/22 14:00	1
Bicarbonate Alkalinity as CaCO3	**33**		5.0	5.0	mg/L			02/19/22 14:00	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 14:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.11**				SU			02/10/22 11:27	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-1

Client Sample ID: PZ-69I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-2

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			02/15/22 03:48	1
Fluoride	**0.15**		0.10	0.026	mg/L			02/15/22 03:48	1
Sulfate	**110**		1.0	0.76	mg/L			02/15/22 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 16:27	1
Arsenic	**0.00059**	**J**	0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 16:27	1
Barium	**0.14**		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 16:27	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 16:27	1
Boron	**0.44**		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 16:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 16:27	1
Calcium	**46**		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 16:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 16:27	1
Cobalt	**0.0020**	**J**	0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 16:27	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 16:27	1
Lithium	**0.0029**	**J**	0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 16:27	1
Molybdenum	**0.0017**	**J**	0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 16:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 16:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 16:27	1
Sodium	**20**		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 16:27	1
Potassium	**5.8**		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 16:27	1
Magnesium	**12**		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 16:27	1
Manganese	**1.4**		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 16:27	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+ *+	0.00020	0.00013	mg/L		02/21/22 12:03	02/22/22 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**2.1**	**J B**	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 17:12	1
Total Dissolved Solids	**320**		10	10	mg/L			02/16/22 16:17	1
Ferric Iron	**0.71**		0.10	0.10	mg/L			02/22/22 19:25	1
Ferrous Iron	**0.29**	**HF**	0.10	0.081	mg/L			02/22/22 19:25	1
Total Alkalinity as CaCO3 to pH 4.5	**94**		5.0	5.0	mg/L			02/19/22 14:06	1
Bicarbonate Alkalinity as CaCO3	**94**		5.0	5.0	mg/L			02/19/22 14:06	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 14:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.61**				SU			02/10/22 11:27	1

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

Lab Sample ID: MB 180-388044/7
Matrix: Water
Analysis Batch: 388044

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			02/12/22 08:55	1
Fluoride	<0.026		0.10	0.026	mg/L			02/12/22 08:55	1
Sulfate	<0.76		1.0	0.76	mg/L			02/12/22 08:55	1

Lab Sample ID: LCS 180-388044/6
Matrix: Water
Analysis Batch: 388044

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	49.9		mg/L		100	90 - 110		
Fluoride			2.50	2.64		mg/L		106	90 - 110		
Sulfate			50.0	49.8		mg/L		100	90 - 110		

Lab Sample ID: 180-133600-2 MS
Matrix: Water
Analysis Batch: 388044

Client Sample ID: PZ-14S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.1		50.0	54.1		mg/L		100	90 - 110		
Fluoride	<0.026		2.50	2.59		mg/L		104	90 - 110		
Sulfate	<0.76		50.0	50.2		mg/L		100	90 - 110		

Lab Sample ID: 180-133600-2 MSD
Matrix: Water
Analysis Batch: 388044

Client Sample ID: PZ-14S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.1		50.0	54.1		mg/L		100	90 - 110	0	20
Fluoride	<0.026		2.50	2.60		mg/L		104	90 - 110	0	20
Sulfate	<0.76		50.0	50.2		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 180-388136/51
Matrix: Water
Analysis Batch: 388136

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			02/15/22 00:41	1
Fluoride	<0.026		0.10	0.026	mg/L			02/15/22 00:41	1
Sulfate	<0.76		1.0	0.76	mg/L			02/15/22 00:41	1

Lab Sample ID: LCS 180-388136/50
Matrix: Water
Analysis Batch: 388136

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	49.7		mg/L		99	90 - 110		
Fluoride			2.50	2.55		mg/L		102	90 - 110		
Sulfate			50.0	47.8		mg/L		96	90 - 110		

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

Lab Sample ID: 180-133644-C-1 MS
Matrix: Water
Analysis Batch: 388136

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	11		50.0	65.3		mg/L		110	90 - 110		
Fluoride	0.030	J	2.50	2.76		mg/L		109	90 - 110		
Sulfate	2.1		50.0	54.7		mg/L		105	90 - 110		

Lab Sample ID: 180-133644-C-1 MSD
Matrix: Water
Analysis Batch: 388136

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	11		50.0	60.5		mg/L		100	90 - 110	8	20
Fluoride	0.030	J	2.50	2.55		mg/L		101	90 - 110	8	20
Sulfate	2.1		50.0	50.0		mg/L		96	90 - 110	9	20

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

Lab Sample ID: MB 180-388280/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:05	02/16/22 14:14	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:05	02/16/22 14:14	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:05	02/16/22 14:14	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:05	02/16/22 14:14	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:05	02/16/22 14:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:05	02/16/22 14:14	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:05	02/16/22 14:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:05	02/16/22 14:14	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:05	02/16/22 14:14	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:05	02/16/22 14:14	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:05	02/16/22 14:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:05	02/16/22 14:14	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:05	02/16/22 14:14	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:05	02/16/22 14:14	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:05	02/16/22 14:14	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:05	02/16/22 14:14	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:05	02/16/22 14:14	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:05	02/16/22 14:14	1

Lab Sample ID: LCS 180-388280/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388280

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	0.956		mg/L		96	80 - 120		
Barium			1.00	0.995		mg/L		99	80 - 120		
Beryllium			0.500	0.495		mg/L		99	80 - 120		
Boron			1.25	1.12		mg/L		89	80 - 120		

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

Lab Sample ID: LCS 180-388280/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.500	0.488		mg/L		98	80 - 120
Calcium	25.0	28.0		mg/L		112	80 - 120
Chromium	0.500	0.491		mg/L		98	80 - 120
Cobalt	0.500	0.471		mg/L		94	80 - 120
Lead	0.500	0.497		mg/L		99	80 - 120
Lithium	0.500	0.479		mg/L		96	80 - 120
Molybdenum	0.500	0.519		mg/L		104	80 - 120
Selenium	1.00	0.968		mg/L		97	80 - 120
Thallium	1.00	0.999		mg/L		100	80 - 120
Sodium	25.0	24.4		mg/L		97	80 - 120
Potassium	25.0	24.4		mg/L		98	80 - 120
Magnesium	25.0	24.0		mg/L		96	80 - 120
Manganese	0.500	0.468		mg/L		94	80 - 120

Lab Sample ID: 180-133600-1 MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: PZ-13S
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.240		mg/L		96	75 - 125
Arsenic	<0.00028		1.00	0.954		mg/L		95	75 - 125
Barium	0.049		1.00	1.06		mg/L		101	75 - 125
Beryllium	<0.00027		0.500	0.509		mg/L		102	75 - 125
Boron	<0.060		1.25	1.16		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.500		mg/L		100	75 - 125
Calcium	4.7		25.0	33.1		mg/L		113	75 - 125
Chromium	0.0030		0.500	0.501		mg/L		100	75 - 125
Cobalt	0.0052		0.500	0.475		mg/L		94	75 - 125
Lead	<0.00017		0.500	0.509		mg/L		102	75 - 125
Lithium	0.0025	J	0.500	0.484		mg/L		96	75 - 125
Molybdenum	<0.00061		0.500	0.510		mg/L		102	75 - 125
Selenium	<0.00074		1.00	0.964		mg/L		96	75 - 125
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125
Sodium	5.0		25.0	29.8		mg/L		99	75 - 125
Potassium	0.39	J	25.0	25.6		mg/L		101	75 - 125
Magnesium	1.6		25.0	25.9		mg/L		97	75 - 125
Manganese	0.051		0.500	0.519		mg/L		94	75 - 125

Lab Sample ID: 180-133600-1 MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: PZ-13S
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.244		mg/L		97	75 - 125	1	20
Arsenic	<0.00028		1.00	0.993		mg/L		99	75 - 125	4	20
Barium	0.049		1.00	1.09		mg/L		104	75 - 125	2	20
Beryllium	<0.00027		0.500	0.516		mg/L		103	75 - 125	1	20
Boron	<0.060		1.25	1.23		mg/L		98	75 - 125	5	20
Cadmium	<0.00022		0.500	0.515		mg/L		103	75 - 125	3	20

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

Lab Sample ID: 180-133600-1 MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: PZ-13S
Prep Type: Total Recoverable
Prep Batch: 388280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	4.7		25.0	33.5		mg/L		115	75 - 125	1	20
Chromium	0.0030		0.500	0.513		mg/L		102	75 - 125	2	20
Cobalt	0.0052		0.500	0.495		mg/L		98	75 - 125	4	20
Lead	<0.00017		0.500	0.512		mg/L		102	75 - 125	1	20
Lithium	0.0025	J	0.500	0.477		mg/L		95	75 - 125	1	20
Molybdenum	<0.00061		0.500	0.525		mg/L		105	75 - 125	3	20
Selenium	<0.00074		1.00	1.01		mg/L		101	75 - 125	5	20
Thallium	<0.00047		1.00	1.03		mg/L		103	75 - 125	1	20
Sodium	5.0		25.0	30.2		mg/L		101	75 - 125	1	20
Potassium	0.39	J	25.0	25.8		mg/L		102	75 - 125	1	20
Magnesium	1.6		25.0	26.8		mg/L		101	75 - 125	3	20
Manganese	0.051		0.500	0.535		mg/L		97	75 - 125	3	20

Lab Sample ID: MB 180-388283/1-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		02/15/22 10:07	02/16/22 15:48	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		02/15/22 10:07	02/16/22 15:48	1
Barium	<0.0031		0.010	0.0031	mg/L		02/15/22 10:07	02/16/22 15:48	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		02/15/22 10:07	02/16/22 15:48	1
Boron	<0.060		0.080	0.060	mg/L		02/15/22 10:07	02/16/22 15:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		02/15/22 10:07	02/16/22 15:48	1
Calcium	<0.13		0.50	0.13	mg/L		02/15/22 10:07	02/16/22 15:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		02/15/22 10:07	02/16/22 15:48	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/15/22 10:07	02/16/22 15:48	1
Lead	<0.00017		0.0010	0.00017	mg/L		02/15/22 10:07	02/16/22 15:48	1
Lithium	<0.00083		0.0050	0.00083	mg/L		02/15/22 10:07	02/16/22 15:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		02/15/22 10:07	02/16/22 15:48	1
Selenium	<0.00074		0.0050	0.00074	mg/L		02/15/22 10:07	02/16/22 15:48	1
Thallium	<0.00047		0.0010	0.00047	mg/L		02/15/22 10:07	02/16/22 15:48	1
Sodium	<0.18		0.50	0.18	mg/L		02/15/22 10:07	02/16/22 15:48	1
Potassium	<0.16		0.50	0.16	mg/L		02/15/22 10:07	02/16/22 15:48	1
Magnesium	<0.050		0.50	0.050	mg/L		02/15/22 10:07	02/16/22 15:48	1
Manganese	<0.0013		0.0050	0.0013	mg/L		02/15/22 10:07	02/16/22 15:48	1

Lab Sample ID: LCS 180-388283/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony			0.250	0.243		mg/L		97	80 - 120		
Arsenic			1.00	0.989		mg/L		99	80 - 120		
Barium			1.00	1.05		mg/L		105	80 - 120		
Beryllium			0.500	0.504		mg/L		101	80 - 120		
Boron			1.25	1.12		mg/L		89	80 - 120		
Cadmium			0.500	0.516		mg/L		103	80 - 120		
Calcium			25.0	28.7		mg/L		115	80 - 120		

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

Lab Sample ID: LCS 180-388283/2-A
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Lead	0.500	0.519		mg/L		104	80 - 120
Lithium	0.500	0.479		mg/L		96	80 - 120
Molybdenum	0.500	0.537		mg/L		107	80 - 120
Selenium	1.00	0.988		mg/L		99	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Sodium	25.0	25.1		mg/L		100	80 - 120
Potassium	25.0	24.9		mg/L		100	80 - 120
Magnesium	25.0	25.0		mg/L		100	80 - 120
Manganese	0.500	0.495		mg/L		99	80 - 120

Lab Sample ID: 180-133461-K-5-B MS
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.246		mg/L		98	75 - 125
Arsenic	<0.00028		1.00	0.994		mg/L		99	75 - 125
Barium	0.098		1.00	1.19		mg/L		109	75 - 125
Beryllium	<0.00027		0.500	0.488		mg/L		98	75 - 125
Boron	<0.060		1.25	1.14		mg/L		91	75 - 125
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125
Calcium	91	F1	25.0	126	F1	mg/L		139	75 - 125
Chromium	<0.0015		0.500	0.510		mg/L		102	75 - 125
Cobalt	<0.00026		0.500	0.483		mg/L		97	75 - 125
Lead	0.00021	J	0.500	0.523		mg/L		104	75 - 125
Lithium	0.0049	J	0.500	0.507		mg/L		100	75 - 125
Molybdenum	<0.00061		0.500	0.558		mg/L		112	75 - 125
Selenium	<0.00074		1.00	1.01		mg/L		101	75 - 125
Thallium	<0.00047		1.00	1.04		mg/L		104	75 - 125
Sodium	3.6		25.0	29.3		mg/L		103	75 - 125
Potassium	1.6		25.0	27.3		mg/L		103	75 - 125
Magnesium	10		25.0	35.2		mg/L		100	75 - 125
Manganese	0.17		0.500	0.681		mg/L		102	75 - 125

Lab Sample ID: 180-133461-K-5-C MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.240		mg/L		96	75 - 125	2	20
Arsenic	<0.00028		1.00	0.967		mg/L		97	75 - 125	3	20
Barium	0.098		1.00	1.14		mg/L		104	75 - 125	4	20
Beryllium	<0.00027		0.500	0.487		mg/L		97	75 - 125	0	20
Boron	<0.060		1.25	1.17		mg/L		93	75 - 125	3	20
Cadmium	<0.00022		0.500	0.499		mg/L		100	75 - 125	4	20
Calcium	91	F1	25.0	117		mg/L		102	75 - 125	8	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	2	20

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

Lab Sample ID: 180-133461-K-5-C MSD
Matrix: Water
Analysis Batch: 388563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	<0.00026		0.500	0.472		mg/L		94	75 - 125	2	20
Lead	0.00021	J	0.500	0.504		mg/L		101	75 - 125	4	20
Lithium	0.0049	J	0.500	0.505		mg/L		100	75 - 125	0	20
Molybdenum	<0.00061		0.500	0.521		mg/L		104	75 - 125	7	20
Selenium	<0.00074		1.00	0.935		mg/L		94	75 - 125	7	20
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125	2	20
Sodium	3.6		25.0	28.2		mg/L		99	75 - 125	4	20
Potassium	1.6		25.0	26.4		mg/L		99	75 - 125	4	20
Magnesium	10		25.0	33.4		mg/L		93	75 - 125	5	20
Manganese	0.17		0.500	0.637		mg/L		93	75 - 125	7	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-388493/1-A
Matrix: Water
Analysis Batch: 389466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/16/22 11:34	02/24/22 13:35	1

Lab Sample ID: LCS 180-388493/2-A
Matrix: Water
Analysis Batch: 389466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388493

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00254		mg/L		101	80 - 120		

Lab Sample ID: 180-133600-1 MS
Matrix: Water
Analysis Batch: 389466

Client Sample ID: PZ-13S
Prep Type: Total/NA
Prep Batch: 388493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.00022		0.00100	0.00122		mg/L		100	75 - 125		

Lab Sample ID: 180-133600-1 MSD
Matrix: Water
Analysis Batch: 389466

Client Sample ID: PZ-13S
Prep Type: Total/NA
Prep Batch: 388493

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00022		0.00100	0.00119		mg/L		97	75 - 125	2	20

Lab Sample ID: MB 180-388494/1-A
Matrix: Water
Analysis Batch: 388686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		02/16/22 11:35	02/17/22 14:07	1

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

Lab Sample ID: LCS 180-388494/2-A
Matrix: Water
Analysis Batch: 388686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00245		mg/L		98	80 - 120		

Lab Sample ID: 180-133638-F-1-C MS
Matrix: Water
Analysis Batch: 388686

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013		0.00100	0.000896		mg/L		90	75 - 125		

Lab Sample ID: 180-133638-F-1-D MSD
Matrix: Water
Analysis Batch: 388686

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000961		mg/L		96	75 - 125	7	20

Lab Sample ID: MB 180-388987/1-A
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013	^3+ ^+	0.00020	0.00013	mg/L		02/21/22 12:01	02/22/22 13:00	1

Lab Sample ID: LCS 180-388987/2-A
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388987

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00385	^3+ ^+ *+	mg/L		154	80 - 120		

Lab Sample ID: 680-211038-D-7-C MSD
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013	F1 ^3+ ^+ *+	0.00100	0.00152	F1 ^3+ ^+	mg/L		152	75 - 125	2	20

Lab Sample ID: 680-211038-D-7-D MS
Matrix: Water
Analysis Batch: 389210

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00013	F1 ^3+ ^+ *+	0.00100	0.00148	F1 ^3+ ^+	mg/L		148	75 - 125		

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

Lab Sample ID: MB 180-388278/1-A
Matrix: Water
Analysis Batch: 388385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/15/22 12:00	02/15/22 13:47	1

Lab Sample ID: LCS 180-388278/2-A
Matrix: Water
Analysis Batch: 388385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	13.1	12.6		mg/L		97	85 - 115

Lab Sample ID: 180-133613-A-1-B MS
Matrix: Water
Analysis Batch: 388385

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<2.1		13.1	12.1		mg/L		93	75 - 125

Lab Sample ID: 180-133613-A-1-C MSD
Matrix: Water
Analysis Batch: 388385

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		13.1	12.4		mg/L		95	75 - 125	3	20

Lab Sample ID: MB 180-388282/1-A
Matrix: Water
Analysis Batch: 388532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.1		3.0	2.1	mg/L		02/16/22 12:00	02/16/22 13:44	1

Lab Sample ID: LCS 180-388282/2-A
Matrix: Water
Analysis Batch: 388532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	12.8	12.7		mg/L		99	85 - 115

Lab Sample ID: 180-133600-4 MS
Matrix: Water
Analysis Batch: 388532

Client Sample ID: PZ-39S
Prep Type: Total/NA
Prep Batch: 388282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<2.1		12.8	12.9		mg/L		101	75 - 125

Lab Sample ID: 180-133600-4 MSD
Matrix: Water
Analysis Batch: 388532

Client Sample ID: PZ-39S
Prep Type: Total/NA
Prep Batch: 388282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		12.8	13.6		mg/L		106	75 - 125	5	20

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

Lab Sample ID: MB 180-388545/1-A
Matrix: Water
Analysis Batch: 388646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.44	J	3.0	2.1	mg/L		02/17/22 10:30	02/17/22 12:27	1

Lab Sample ID: LCS 180-388545/2-A
Matrix: Water
Analysis Batch: 388646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	13.1	11.9		mg/L		91	85 - 115

Lab Sample ID: 180-133638-E-4-B MS
Matrix: Water
Analysis Batch: 388646

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 388545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<2.1		13.1	13.8		mg/L		105	75 - 125

Lab Sample ID: 180-133638-E-4-C MSD
Matrix: Water
Analysis Batch: 388646

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<2.1		13.1	14.3		mg/L		109	75 - 125	3	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-388075/2
Matrix: Water
Analysis Batch: 388075

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/12/22 14:58	1

Lab Sample ID: LCS 180-388075/1
Matrix: Water
Analysis Batch: 388075

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	150	130		mg/L		87	85 - 115

Lab Sample ID: 180-133600-1 DU
Matrix: Water
Analysis Batch: 388075

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	37		37.0		mg/L		0	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 180-133600-11 DU
Matrix: Water
Analysis Batch: 388075

Client Sample ID: DUP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	790			826		mg/L				4	10

Lab Sample ID: MB 180-388541/2
Matrix: Water
Analysis Batch: 388541

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/16/22 16:17	1

Lab Sample ID: LCS 180-388541/1
Matrix: Water
Analysis Batch: 388541

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			469	452		mg/L		96	85 - 115		

Lab Sample ID: 180-133538-AO-2 DU
Matrix: Water
Analysis Batch: 388541

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	130			124		mg/L				4	10

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 460-829718/12
Matrix: Water
Analysis Batch: 829718

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 17:05	1

Lab Sample ID: LCS 460-829718/13
Matrix: Water
Analysis Batch: 829718

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ferrous Iron			0.500	0.496		mg/L		99	85 - 115		

Lab Sample ID: MRL 460-829718/11
Matrix: Water
Analysis Batch: 829718

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Ferrous Iron			0.100	0.111		mg/L		111	50 - 150		

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 460-252723-E-1 MS
Matrix: Water
Analysis Batch: 829718

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
Ferrous Iron	0.31		2.00	2.01		mg/L		85	85 - 115

Lab Sample ID: 460-252723-E-1 MSD
Matrix: Water
Analysis Batch: 829718

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
Ferrous Iron	0.31		2.00	2.13		mg/L		91	85 - 115	6	12

Lab Sample ID: MB 460-829723/35
Matrix: Water
Analysis Batch: 829723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 19:25	1

Lab Sample ID: MB 460-829723/4
Matrix: Water
Analysis Batch: 829723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.081		0.10	0.081	mg/L			02/22/22 18:52	1

Lab Sample ID: LCS 460-829723/36
Matrix: Water
Analysis Batch: 829723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.500	0.456		mg/L		91	85 - 115

Lab Sample ID: LCS 460-829723/5
Matrix: Water
Analysis Batch: 829723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.500	0.472		mg/L		94	85 - 115

Lab Sample ID: MRL 460-829723/3
Matrix: Water
Analysis Batch: 829723

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.100	<0.081		mg/L		62	50 - 150

Lab Sample ID: 180-133638-D-1 MS
Matrix: Water
Analysis Batch: 829723

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
Ferrous Iron	<0.081		2.00	1.98		mg/L		99	85 - 115

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: 180-133638-D-1 MSD
Matrix: Water
Analysis Batch: 829723

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
Ferrous Iron	<0.081		2.00	1.99		mg/L		99	85 - 115	0	12

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-388836/53
Matrix: Water
Analysis Batch: 388836

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			02/17/22 18:59	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 18:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 18:59	1

Lab Sample ID: MB 180-388836/77
Matrix: Water
Analysis Batch: 388836

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			02/17/22 21:41	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:41	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/22 21:41	1

Lab Sample ID: LCS 180-388836/76
Matrix: Water
Analysis Batch: 388836

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	265	242		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-388836/75
Matrix: Water
Analysis Batch: 388836

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	15.9	14.6		mg/L		92	75 - 125

Lab Sample ID: 180-133600-4 DU
Matrix: Water
Analysis Batch: 388836

Client Sample ID: PZ-39S
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	75		75.1		mg/L		0.2	20
Bicarbonate Alkalinity as CaCO3	75		75.1		mg/L		0.2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-389075/6
Matrix: Water
Analysis Batch: 389075

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			02/19/22 12:01	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/19/22 12:01	1

Lab Sample ID: LCS 180-389075/5
Matrix: Water
Analysis Batch: 389075

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	265	258		mg/L		98	90 - 110

Lab Sample ID: LLCS 180-389075/4
Matrix: Water
Analysis Batch: 389075

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	15.9	15.4		mg/L		97	75 - 125

Lab Sample ID: 180-133638-C-6 DU
Matrix: Water
Analysis Batch: 389075

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	<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

HPLC/IC

Analysis Batch: 388044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-2	PZ-14S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-3	PZ-17I	Total/NA	Water	EPA 300.0 R2.1	
180-133600-4	PZ-39S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-5	PZ-41S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-6	PZ-42I	Total/NA	Water	EPA 300.0 R2.1	
180-133600-6	PZ-42I	Total/NA	Water	EPA 300.0 R2.1	
180-133600-7	PZ-43S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-8	PZ-44I	Total/NA	Water	EPA 300.0 R2.1	
180-133600-9	FB-1	Total/NA	Water	EPA 300.0 R2.1	
180-133600-10	EB-1	Total/NA	Water	EPA 300.0 R2.1	
180-133600-11	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
180-133600-11	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388044/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388044/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133600-2 MS	PZ-14S	Total/NA	Water	EPA 300.0 R2.1	
180-133600-2 MSD	PZ-14S	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	EPA 300.0 R2.1	
180-133641-1	PZ-40I	Total/NA	Water	EPA 300.0 R2.1	
180-133641-2	PZ-69I	Total/NA	Water	EPA 300.0 R2.1	
MB 180-388136/51	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-388136/50	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-133644-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-133644-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 388280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total Recoverable	Water	3005A	
180-133600-2	PZ-14S	Total Recoverable	Water	3005A	
180-133600-3	PZ-17I	Total Recoverable	Water	3005A	
180-133600-4	PZ-39S	Total Recoverable	Water	3005A	
180-133600-5	PZ-41S	Total Recoverable	Water	3005A	
180-133600-6	PZ-42I	Total Recoverable	Water	3005A	
180-133600-7	PZ-43S	Total Recoverable	Water	3005A	
180-133600-8	PZ-44I	Total Recoverable	Water	3005A	
180-133600-9	FB-1	Total Recoverable	Water	3005A	
180-133600-10	EB-1	Total Recoverable	Water	3005A	
180-133600-11	DUP-1	Total Recoverable	Water	3005A	
MB 180-388280/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388280/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133600-1 MS	PZ-13S	Total Recoverable	Water	3005A	
180-133600-1 MSD	PZ-13S	Total Recoverable	Water	3005A	

Prep Batch: 388283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 388283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-2	PZ-69I	Total Recoverable	Water	3005A	
MB 180-388283/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388283/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133461-K-5-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-133461-K-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 388493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	7470A	
180-133600-2	PZ-14S	Total/NA	Water	7470A	
180-133600-3	PZ-17I	Total/NA	Water	7470A	
180-133600-4	PZ-39S	Total/NA	Water	7470A	
180-133600-5	PZ-41S	Total/NA	Water	7470A	
180-133600-6	PZ-42I	Total/NA	Water	7470A	
180-133600-7	PZ-43S	Total/NA	Water	7470A	
180-133600-8	PZ-44I	Total/NA	Water	7470A	
180-133600-9	FB-1	Total/NA	Water	7470A	
180-133600-10	EB-1	Total/NA	Water	7470A	
MB 180-388493/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-388493/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133600-1 MS	PZ-13S	Total/NA	Water	7470A	
180-133600-1 MSD	PZ-13S	Total/NA	Water	7470A	

Prep Batch: 388494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-11	DUP-1	Total/NA	Water	7470A	
MB 180-388494/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-388494/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-133638-F-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-133638-F-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 388563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total Recoverable	Water	EPA 6020B	388280
180-133600-2	PZ-14S	Total Recoverable	Water	EPA 6020B	388280
180-133600-3	PZ-17I	Total Recoverable	Water	EPA 6020B	388280
180-133600-4	PZ-39S	Total Recoverable	Water	EPA 6020B	388280
180-133600-5	PZ-41S	Total Recoverable	Water	EPA 6020B	388280
180-133600-6	PZ-42I	Total Recoverable	Water	EPA 6020B	388280
180-133600-7	PZ-43S	Total Recoverable	Water	EPA 6020B	388280
180-133600-8	PZ-44I	Total Recoverable	Water	EPA 6020B	388280
180-133600-9	FB-1	Total Recoverable	Water	EPA 6020B	388280
180-133600-10	EB-1	Total Recoverable	Water	EPA 6020B	388280
180-133600-11	DUP-1	Total Recoverable	Water	EPA 6020B	388280
180-133641-1	PZ-40I	Total Recoverable	Water	EPA 6020B	388283
180-133641-2	PZ-69I	Total Recoverable	Water	EPA 6020B	388283
MB 180-388280/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388280
MB 180-388283/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388283
LCS 180-388280/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388280
LCS 180-388283/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388283
180-133461-K-5-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	388283

Metals (Continued)

Analysis Batch: 388563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133461-K-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	388283
180-133600-1 MS	PZ-13S	Total Recoverable	Water	EPA 6020B	388280
180-133600-1 MSD	PZ-13S	Total Recoverable	Water	EPA 6020B	388280

Analysis Batch: 388686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-11	DUP-1	Total/NA	Water	EPA 7470A	388494
MB 180-388494/1-A	Method Blank	Total/NA	Water	EPA 7470A	388494
LCS 180-388494/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388494
180-133638-F-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	388494
180-133638-F-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	388494

Prep Batch: 388987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	7470A	
180-133641-2	PZ-69I	Total/NA	Water	7470A	
MB 180-388987/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-388987/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-211038-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
680-211038-D-7-D MS	Matrix Spike	Total/NA	Water	7470A	

Analysis Batch: 389210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	EPA 7470A	388987
180-133641-2	PZ-69I	Total/NA	Water	EPA 7470A	388987
MB 180-388987/1-A	Method Blank	Total/NA	Water	EPA 7470A	388987
LCS 180-388987/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388987
680-211038-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	388987
680-211038-D-7-D MS	Matrix Spike	Total/NA	Water	EPA 7470A	388987

Analysis Batch: 389466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	EPA 7470A	388493
180-133600-2	PZ-14S	Total/NA	Water	EPA 7470A	388493
180-133600-3	PZ-17I	Total/NA	Water	EPA 7470A	388493
180-133600-4	PZ-39S	Total/NA	Water	EPA 7470A	388493
180-133600-5	PZ-41S	Total/NA	Water	EPA 7470A	388493
180-133600-6	PZ-42I	Total/NA	Water	EPA 7470A	388493
180-133600-7	PZ-43S	Total/NA	Water	EPA 7470A	388493
180-133600-8	PZ-44I	Total/NA	Water	EPA 7470A	388493
180-133600-9	FB-1	Total/NA	Water	EPA 7470A	388493
180-133600-10	EB-1	Total/NA	Water	EPA 7470A	388493
MB 180-388493/1-A	Method Blank	Total/NA	Water	EPA 7470A	388493
LCS 180-388493/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	388493
180-133600-1 MS	PZ-13S	Total/NA	Water	EPA 7470A	388493
180-133600-1 MSD	PZ-13S	Total/NA	Water	EPA 7470A	388493

General Chemistry

Analysis Batch: 388075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	SM 2540C	
180-133600-2	PZ-14S	Total/NA	Water	SM 2540C	
180-133600-3	PZ-17I	Total/NA	Water	SM 2540C	
180-133600-4	PZ-39S	Total/NA	Water	SM 2540C	
180-133600-5	PZ-41S	Total/NA	Water	SM 2540C	
180-133600-6	PZ-42I	Total/NA	Water	SM 2540C	
180-133600-7	PZ-43S	Total/NA	Water	SM 2540C	
180-133600-8	PZ-44I	Total/NA	Water	SM 2540C	
180-133600-9	FB-1	Total/NA	Water	SM 2540C	
180-133600-10	EB-1	Total/NA	Water	SM 2540C	
180-133600-11	DUP-1	Total/NA	Water	SM 2540C	
MB 180-388075/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388075/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133600-1 DU	PZ-13S	Total/NA	Water	SM 2540C	
180-133600-11 DU	DUP-1	Total/NA	Water	SM 2540C	

Prep Batch: 388278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	9030B	
180-133600-2	PZ-14S	Total/NA	Water	9030B	
180-133600-3	PZ-17I	Total/NA	Water	9030B	
MB 180-388278/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388278/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133613-A-1-B MS	Matrix Spike	Total/NA	Water	9030B	
180-133613-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	

Prep Batch: 388282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-4	PZ-39S	Total/NA	Water	9030B	
180-133600-5	PZ-41S	Total/NA	Water	9030B	
180-133600-6	PZ-42I	Total/NA	Water	9030B	
180-133600-7	PZ-43S	Total/NA	Water	9030B	
180-133600-8	PZ-44I	Total/NA	Water	9030B	
180-133600-9	FB-1	Total/NA	Water	9030B	
180-133600-10	EB-1	Total/NA	Water	9030B	
180-133600-11	DUP-1	Total/NA	Water	9030B	
MB 180-388282/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388282/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133600-4 MS	PZ-39S	Total/NA	Water	9030B	
180-133600-4 MSD	PZ-39S	Total/NA	Water	9030B	

Analysis Batch: 388385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	EPA 9034	388278
180-133600-2	PZ-14S	Total/NA	Water	EPA 9034	388278
180-133600-3	PZ-17I	Total/NA	Water	EPA 9034	388278
MB 180-388278/1-A	Method Blank	Total/NA	Water	EPA 9034	388278
LCS 180-388278/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388278
180-133613-A-1-B MS	Matrix Spike	Total/NA	Water	EPA 9034	388278
180-133613-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 9034	388278

General Chemistry

Analysis Batch: 388532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-4	PZ-39S	Total/NA	Water	EPA 9034	388282
180-133600-5	PZ-41S	Total/NA	Water	EPA 9034	388282
180-133600-6	PZ-42I	Total/NA	Water	EPA 9034	388282
180-133600-7	PZ-43S	Total/NA	Water	EPA 9034	388282
180-133600-8	PZ-44I	Total/NA	Water	EPA 9034	388282
180-133600-9	FB-1	Total/NA	Water	EPA 9034	388282
180-133600-10	EB-1	Total/NA	Water	EPA 9034	388282
180-133600-11	DUP-1	Total/NA	Water	EPA 9034	388282
MB 180-388282/1-A	Method Blank	Total/NA	Water	EPA 9034	388282
LCS 180-388282/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388282
180-133600-4 MS	PZ-39S	Total/NA	Water	EPA 9034	388282
180-133600-4 MSD	PZ-39S	Total/NA	Water	EPA 9034	388282

Analysis Batch: 388541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	SM 2540C	
180-133641-2	PZ-69I	Total/NA	Water	SM 2540C	
MB 180-388541/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-388541/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-133538-AO-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Prep Batch: 388545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	9030B	
180-133641-2	PZ-69I	Total/NA	Water	9030B	
MB 180-388545/1-A	Method Blank	Total/NA	Water	9030B	
LCS 180-388545/2-A	Lab Control Sample	Total/NA	Water	9030B	
180-133638-E-4-B MS	Matrix Spike	Total/NA	Water	9030B	
180-133638-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	

Analysis Batch: 388646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	EPA 9034	388545
180-133641-2	PZ-69I	Total/NA	Water	EPA 9034	388545
MB 180-388545/1-A	Method Blank	Total/NA	Water	EPA 9034	388545
LCS 180-388545/2-A	Lab Control Sample	Total/NA	Water	EPA 9034	388545
180-133638-E-4-B MS	Matrix Spike	Total/NA	Water	EPA 9034	388545
180-133638-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 9034	388545

Analysis Batch: 388836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	SM2320 B	
180-133600-2	PZ-14S	Total/NA	Water	SM2320 B	
180-133600-3	PZ-17I	Total/NA	Water	SM2320 B	
180-133600-4	PZ-39S	Total/NA	Water	SM2320 B	
180-133600-5	PZ-41S	Total/NA	Water	SM2320 B	
180-133600-6	PZ-42I	Total/NA	Water	SM2320 B	
180-133600-7	PZ-43S	Total/NA	Water	SM2320 B	
180-133600-8	PZ-44I	Total/NA	Water	SM2320 B	
180-133600-9	FB-1	Total/NA	Water	SM2320 B	
180-133600-10	EB-1	Total/NA	Water	SM2320 B	

General Chemistry (Continued)

Analysis Batch: 388836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-11	DUP-1	Total/NA	Water	SM2320 B	
MB 180-388836/53	Method Blank	Total/NA	Water	SM2320 B	
MB 180-388836/77	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-388836/76	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-388836/75	Lab Control Sample	Total/NA	Water	SM2320 B	
180-133600-4 DU	PZ-39S	Total/NA	Water	SM2320 B	

Analysis Batch: 389075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	SM2320 B	
180-133641-2	PZ-69I	Total/NA	Water	SM2320 B	
MB 180-389075/6	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-389075/5	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-389075/4	Lab Control Sample	Total/NA	Water	SM2320 B	
180-133638-C-6 DU	Duplicate	Total/NA	Water	SM2320 B	

Analysis Batch: 829718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	SM 3500 FE D	
180-133600-2	PZ-14S	Total/NA	Water	SM 3500 FE D	
180-133600-3	PZ-17I	Total/NA	Water	SM 3500 FE D	
180-133600-4	PZ-39S	Total/NA	Water	SM 3500 FE D	
180-133600-5	PZ-41S	Total/NA	Water	SM 3500 FE D	
180-133600-6	PZ-42I	Total/NA	Water	SM 3500 FE D	
180-133600-7	PZ-43S	Total/NA	Water	SM 3500 FE D	
180-133600-8	PZ-44I	Total/NA	Water	SM 3500 FE D	
180-133600-9	FB-1	Total/NA	Water	SM 3500 FE D	
180-133600-10	EB-1	Total/NA	Water	SM 3500 FE D	
180-133600-11	DUP-1	Total/NA	Water	SM 3500 FE D	
MB 460-829718/12	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 460-829718/13	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MRL 460-829718/11	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
460-252723-E-1 MS	Matrix Spike	Total/NA	Water	SM 3500 FE D	
460-252723-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 829723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	SM 3500 FE D	
180-133641-2	PZ-69I	Total/NA	Water	SM 3500 FE D	
MB 460-829723/35	Method Blank	Total/NA	Water	SM 3500 FE D	
MB 460-829723/4	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 460-829723/36	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCS 460-829723/5	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MRL 460-829723/3	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
180-133638-D-1 MS	Matrix Spike	Total/NA	Water	SM 3500 FE D	
180-133638-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 829800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	SM 3500	
180-133600-2	PZ-14S	Total/NA	Water	SM 3500	

General Chemistry (Continued)

Analysis Batch: 829800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-3	PZ-17I	Total/NA	Water	SM 3500	
180-133600-4	PZ-39S	Total/NA	Water	SM 3500	
180-133600-5	PZ-41S	Total/NA	Water	SM 3500	
180-133600-6	PZ-42I	Total/NA	Water	SM 3500	
180-133600-7	PZ-43S	Total/NA	Water	SM 3500	
180-133600-8	PZ-44I	Total/NA	Water	SM 3500	
180-133600-9	FB-1	Total/NA	Water	SM 3500	
180-133600-10	EB-1	Total/NA	Water	SM 3500	
180-133600-11	DUP-1	Total/NA	Water	SM 3500	

Analysis Batch: 829801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	SM 3500	
180-133641-2	PZ-69I	Total/NA	Water	SM 3500	

Field Service / Mobile Lab

Analysis Batch: 388945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	Field Sampling	
180-133600-2	PZ-14S	Total/NA	Water	Field Sampling	
180-133600-3	PZ-17I	Total/NA	Water	Field Sampling	
180-133600-4	PZ-39S	Total/NA	Water	Field Sampling	
180-133600-5	PZ-41S	Total/NA	Water	Field Sampling	
180-133600-6	PZ-42I	Total/NA	Water	Field Sampling	
180-133600-7	PZ-43S	Total/NA	Water	Field Sampling	
180-133600-8	PZ-44I	Total/NA	Water	Field Sampling	

Analysis Batch: 389113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	Field Sampling	
180-133641-2	PZ-69I	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: 2/10/2022	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 AP1 Assessment	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

244- ATLANTA

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 III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
PZ-13S	2/8/2022	16:20	G	GW	6			X	X	X	X	X	X	X	pH= 4.92
PZ-14S	2/8/2022	16:50	G	GW	6			X	X	X	X	X	X	X	pH= 5.42
PZ-17I	2/9/2022	13:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.71
PZ-39S	2/9/2022	10:15	G	GW	6			X	X	X	X	X	X	X	pH= 6.55
PZ-41S	2/9/2022	15:25	G	GW	6			X	X	X	X	X	X	X	pH= 5.95
PZ-42I	2/9/2022	13:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.25
PZ-43S	2/9/2022	10:30	G	GW	8			X	X	X	X	X	X	X	pH= 6.66
PZ-44I	2/9/2022	15:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.57
FB-1	2/9/2022	13:35	G	GW	6			X	X	X	X	X	X	X	
EB-1	2/9/2022	16:30	G	GW	6			X	X	X	X	X	X	X	
DUP-1	2/9/2022	–	G	GW	6			X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	4	4	1	1	5	1	

180-133600 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 ar

☐ 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]	GNSP-GOL OSR	02/10/22 8:25	Elaine Cook	Courier Max	2/10/22
Relinquished by: Bre Moore	Company:	Date/Time: 2/10/22 1009	Received by: Bre Moore	Company:	Date/Time: 2/10/22 1009
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: D Watts	Company: ETA Pitt	Date/Time: 2-11-22 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: 2/11/2022	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 AP1 Assessment	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
PZ-40I	2/10/2022	11:27	G	GW	6			X	X	X	X	X	X	X	pH= 6.11
PZ-69I	2/10/2022	11:27	G	GW	6			X	X	X	X	X	X	X	pH= 6.61
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	1	4	1	1	5	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.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	Golder 16:03	2/11/22	Received by:	ETA	2/16/22 16:03
Relinquished by:	ETA 16:30	2/16/22	Received by:	ETA PM	2/17/22 1245
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

FedEx®

eurofins | Environment Testing
TestAmerica

1 A
10.30
1680
02.11
RT 98 FZ

180-133600 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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

1 of 6

TRK# 0201 5220 7116 1680

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

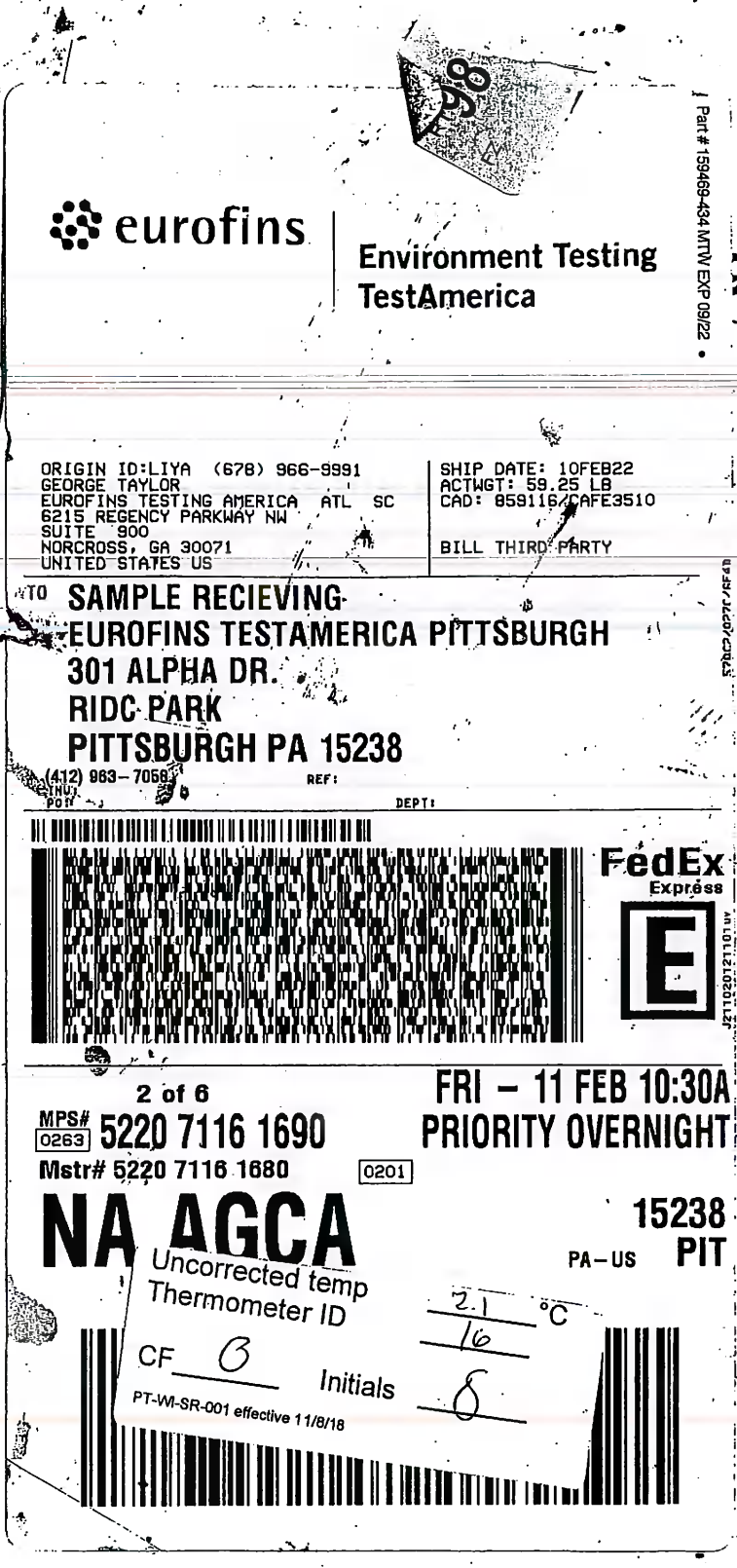
MASTER

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.8 °C
Thermometer ID 16
CF 0 Initials

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



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Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

2 of 6
MPS# 0263 5220 7116 1690
Mstr# 5220 7116 1680 0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

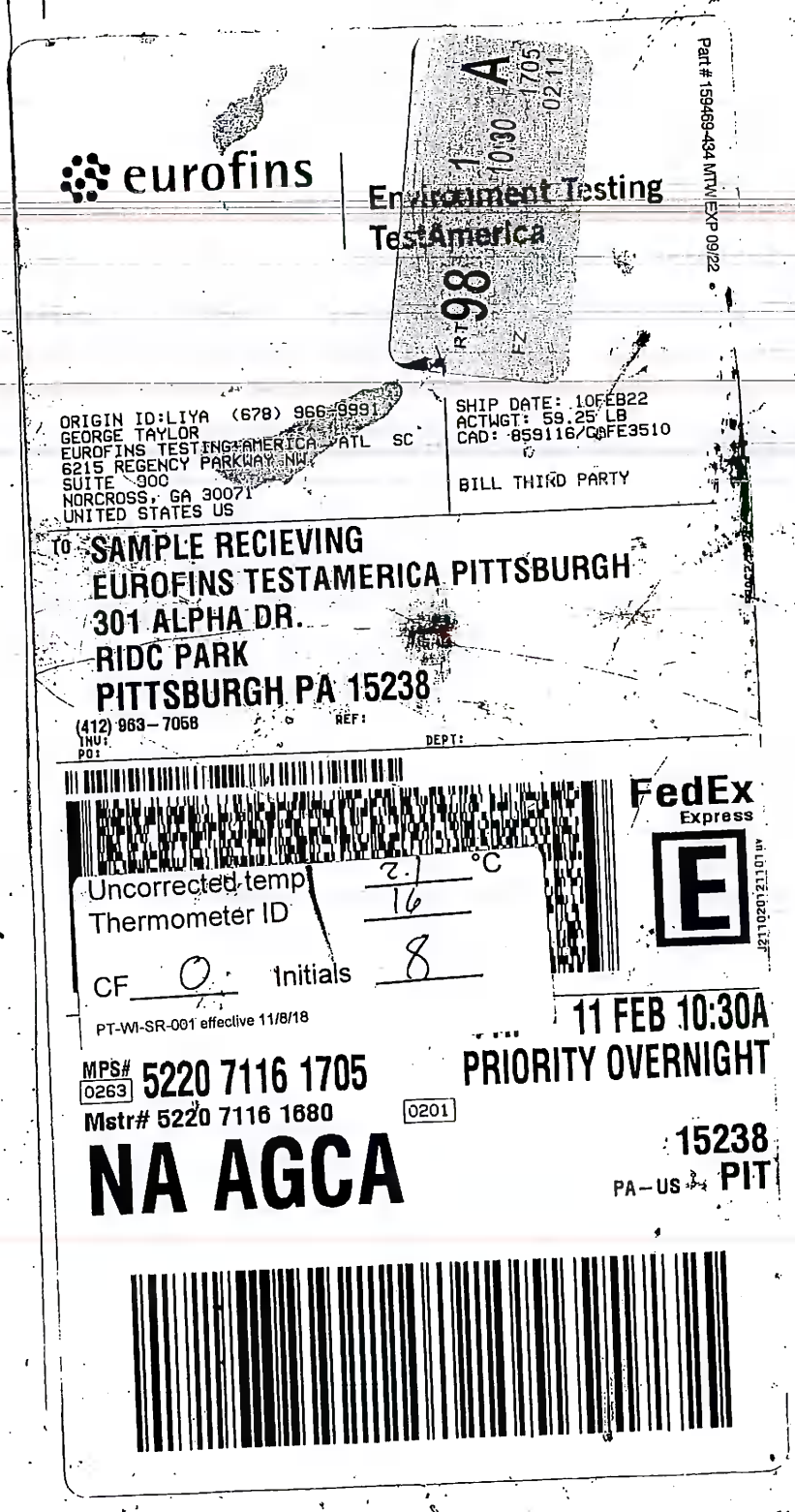
NA AGCA

15238
PA-US PIT

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 6 Initials 8

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

Do not lift using this tag.



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Part # 159469-434 MTW EXP 09/22

ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 300
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

FedEx Express

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0.0 Initials 8
PT-WI-SR-001 effective 11/8/18

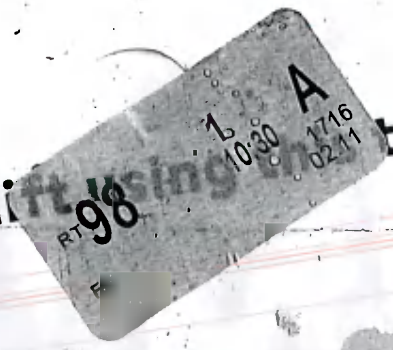
11 FEB 10:30A
PRIORITY OVERNIGHT

MPS# 0263 5220 7116 1705
Mstr# 5220 7116 1680
0201

NA AGCA

15238
PA-US PIT

FedEx®



Do not lift using this tag.

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Part # 159469-434-MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials

PT-WI-SR-001 effective 1-JUL-18

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4 of 6

MPS# 0263 5220 7116 1716

Mstr# 5220 7116 1680

0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

FZ 02.11

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

FedEx Express

5 of 6
MPS# 0263 5220 7116 1727
Mstr# 5220 7116 1680
0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

°C

Uncorrected temp 4.4
Thermometer ID 16
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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

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E

J211020121101uv

Uncorrected temp 1.1 °C
Thermometer ID
Initials
PT-WI-SR-001 effective 11/8/18

of 6

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

0263 5220 7116 1738
Mstr# 5220 7116 1680 0201

NA AGCA

15238
PA-US PIT

2/28/2022

Part # 159469-434 MTW EXP 09/22

eurofins | Environment Testing TestAmerica

ORIGIN ID:LIYA (678) 96[illegible] DATE: 11FEB22
GEORGE TAYLOR WGT: 51.15 LB
EUROFINS TESTING AMERICA ATL SH[illegible] 859116/CAFE3510
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US BILL RECIPIENT

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

FedEx Express

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

MASTER

NO AGCA

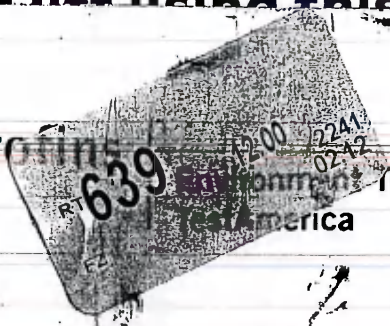
15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 10
CF 0 Initials 8

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

180-133641 Waybill

Do not lift using this tag



eurofins Environment Testing
TestAmerica

Part # 159469-434 MTW EXP 03/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

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2 of 6
MPS# 0263 5220 7116 2241
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18

35 °C
16
8

FedEx®

2/28/2022

Part # 159469-494 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J211020121101uv

3 of 6

MPS# 0263 5220 7116 2252

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials RB

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

eurofins | Environment Testing America

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: [illegible]/CAFE3510

BILL RECIPIENT

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

FedEx Express

J21102012110 1uv

4 of 6

MPS# 0263 5220 7116 2263

Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effect 11/8/16

eurofins Environment Testing
TestAmerica

Part # 159469-434 MTW EXP 09/22

2/28/2022

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

5 of 6
MPS# 0263 **5220 7116 2274**
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US **PIT**

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

6 of 6
MPS# 0263 5220 7116 2285
Mstr# 5220 7116 2230
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.7 °C
Thermometer ID 16
CF 0 Initials

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

Eurofins 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: 180-454808.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note):		Job #: 180-133600-1
Address: 777 New Durham Road, ,	Due Date Requested: 2/24/2022	Analysis Requested		Preservation Codes:
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer AP1 Assessment	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			Other:

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)

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)	3500_Fe+3_D_Calc/ Iron, Ferric	3500_FE_D/ Iron, Ferrous	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
PZ-13S (180-133600-1)	2/8/22	16:20 Eastern		Water			X	X	1	
PZ-14S (180-133600-2)	2/8/22	16:50 Eastern		Water			X	X	1	
PZ-17I (180-133600-3)	2/9/22	13:10 Eastern		Water			X	X	1	
PZ-39S (180-133600-4)	2/9/22	10:15 Eastern		Water			X	X	1	
PZ-41S (180-133600-5)	2/9/22	15:25 Eastern		Water			X	X	1	
PZ-42I (180-133600-6)	2/9/22	13:10 Eastern		Water			X	X	1	
PZ-43S (180-133600-7)	2/9/22	10:30 Eastern		Water			X	X	1	
PZ-44I (180-133600-8)	2/9/22	15:45 Eastern		Water			X	X	1	
FB-1 (180-133600-9)	2/9/22	13:35 Eastern		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/14/22 1700	[signature]	[signature] V. FedEx	2/15/22 1005	EETAel

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 10 CS	Cooler Temperature(s) °C and Other Remarks: 1.5/1.4, 2.4/2.3 °C ER9

Ver: 06/08/2021

Eurofins 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: 180-454808.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@Eurofinset.com	State of Origin: Georgia	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note):		Job #: 180-133600-1
Address: 777 New Durham Road, ,	Due Date Requested: 2/24/2022			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Scherer AP1 Assessment	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)	3500_Fe+3_D_Cal/ Iron, Ferric	3500_FE_D/ Iron, Ferrous	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
EB-1 (180-133600-10)	2/9/22	16:30 Eastern		Water			X	X	1	
DUP-1 (180-133600-11)	2/9/22	Eastern		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/11/22 1700		FedEx	2/15/22 1005	EETAcct.
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

2/28/2022

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133600-1

Login Number: 133600

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133600-1

Login Number: 133600
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/15/22 12:01 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 2.3°C IR9
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: 180-133600-1

Login Number: 133641

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Jodis, Matthew V

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: 180-133600-1

Login Number: 133641
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 02/15/22 12:01 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 2.3°C IR9
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 Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133600-2
Client Project/Site: Plant Scherer AP1 Assessment

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

Attn: Joju Abraham

Authorized for release by:
3/18/2022 4:47:17 PM

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

LINKS

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www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-133600-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133600-2

Comments
No additional comments.

Receipt
The samples were received on 2/11/2022 9:30 AM and 2/12/2022 12:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 1.7º C, 2.1º C, 2.1º C, 2.4º C, 2.6º C, 3.3º C, 3.5º C, 3.8º C, 4.4º C, 4.4º C, 4.6º C and 4.6º 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. 180-133600

RAD
Methods 903.0, 9315: Radium 226 batch 551849:
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.PZ-40I (180-133641-1), PZ-69I (180-133641-2), (LCS 160-551849/1-A) and (MB 160-551849/23-A)

Method 9315: Radium 226 batch 551854
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 DatePZ-13S (180-133600-1), PZ-14S (180-133600-2), PZ-17I (180-133600-3), PZ-39S (180-133600-4), PZ-41S (180-133600-5), PZ-42I (180-133600-6), PZ-43S (180-133600-7), PZ-44I (180-133600-8), FB-1 (180-133600-9), EB-1 (180-133600-10), DUP-1 (180-133600-11), (LCS 160-551854/1-A), (LCSD 160-551854/2-A) and (MB 160-551854/21-A)

Methods 904.0, 9320: Radium 228 batch 551852
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.PZ-40I (180-133641-1), PZ-69I (180-133641-2), (LCS 160-551852/1-A), (MB 160-551852/23-A) and (500-212081-H-15-B DU)

Method 9320: Radium 228 batch 551857
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 DatePZ-13S (180-133600-1), PZ-14S (180-133600-2), PZ-17I (180-133600-3), PZ-39S (180-133600-4), PZ-41S (180-133600-5), PZ-42I (180-133600-6), PZ-43S (180-133600-7), PZ-44I (180-133600-8), FB-1 (180-133600-9), EB-1 (180-133600-10), DUP-1 (180-133600-11), (LCS 160-551857/1-A), (LCSD 160-551857/2-A) and (MB 160-551857/21-A)

Method PrecSep_0: Radium-228 Prep Batch 160-551857
The following samples were prepared at a reduced aliquot due to Matrix: PZ-13S (180-133600-1), PZ-17I (180-133600-3), PZ-39S (180-133600-4), PZ-41S (180-133600-5) and PZ-42I (180-133600-6). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-551854
The following samples were prepared at a reduced aliquot due to Matrix: PZ-13S (180-133600-1), PZ-17I (180-133600-3), PZ-39S (180-133600-4), PZ-41S (180-133600-5) and PZ-42I (180-133600-6). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) 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
Job ID: 180-133600-2
Project/Site: Plant Scherer AP1 Assessment

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
Job ID: 180-133600-2
Project/Site: Plant Scherer AP1 Assessment

Laboratory: Eurofins 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	04-07-23
Arizona	State	AZ0813	12-08-22
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	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
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	NELAP	9997	08-31-22
Oklahoma	State	9997	03-17-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
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 AP1 Assessment

Job ID: 180-133600-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133600-1	PZ-13S	Water	02/08/22 16:20	02/11/22 09:30
180-133600-2	PZ-14S	Water	02/08/22 16:50	02/11/22 09:30
180-133600-3	PZ-17I	Water	02/09/22 13:10	02/11/22 09:30
180-133600-4	PZ-39S	Water	02/09/22 10:15	02/11/22 09:30
180-133600-5	PZ-41S	Water	02/09/22 15:25	02/11/22 09:30
180-133600-6	PZ-42I	Water	02/09/22 13:10	02/11/22 09:30
180-133600-7	PZ-43S	Water	02/09/22 10:30	02/11/22 09:30
180-133600-8	PZ-44I	Water	02/09/22 15:45	02/11/22 09:30
180-133600-9	FB-1	Water	02/09/22 13:35	02/11/22 09:30
180-133600-10	EB-1	Water	02/09/22 16:30	02/11/22 09:30
180-133600-11	DUP-1	Water	02/09/22 00:00	02/11/22 09:30
180-133641-1	PZ-40I	Water	02/10/22 11:27	02/12/22 12:45
180-133641-2	PZ-69I	Water	02/10/22 11:27	02/12/22 12:45

Method Summary

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

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 St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: PZ-13S
Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-1
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			753.11 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555612	03/16/22 17:40	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.11 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554507	03/09/22 13:21	FLC	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-14S
Date Collected: 02/08/22 16:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-2
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			998.24 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.24 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554507	03/09/22 13:21	FLC	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-17I
Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-3
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			743.76 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			743.76 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554507	03/09/22 13:21	FLC	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-39S
Date Collected: 02/09/22 10:15
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-4
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			753.82 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: PZ-39S
Date Collected: 02/09/22 10:15
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-4
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			753.82 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-41S
Date Collected: 02/09/22 15:25
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-5
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			749.18 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			749.18 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-42I
Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-6
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			753.96 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			753.96 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-43S
Date Collected: 02/09/22 10:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-7
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			992.97 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555611	03/16/22 17:37	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			992.97 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: PZ-43S
Date Collected: 02/09/22 10:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-7
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			555865	03/17/22 16:33	EMH	TAL SL

Client Sample ID: PZ-44I
Date Collected: 02/09/22 15:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-8
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			998.18 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555612	03/16/22 19:26	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			998.18 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-1
Date Collected: 02/09/22 13:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-9
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			1006.19 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555612	03/16/22 19:26	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.19 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-1
Date Collected: 02/09/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-10
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			999.97 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555612	03/16/22 19:26	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.97 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: DUP-1

Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-11

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			1009.81 mL	1.0 g	551854	02/22/22 15:45	LPS	TAL SL
Total/NA	Analysis	9315		1			555612	03/16/22 19:26	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1009.81 mL	1.0 g	551857	02/22/22 16:25	LPS	TAL SL
Total/NA	Analysis	9320		1			554308	03/09/22 13:25	FLC	TAL SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			555865	03/17/22 16:33	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-40I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-1

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			1001.40 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:57	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.40 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553908	03/07/22 13:21	JCB	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-69I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-2

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			751.06 mL	1.0 g	551849	02/22/22 15:12	LPS	TAL SL
Total/NA	Analysis	9315		1			555632	03/16/22 11:57	FLC	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			751.06 mL	1.0 g	551852	02/22/22 15:42	LPS	TAL SL
Total/NA	Analysis	9320		1			553855	03/07/22 13:29	FLC	TAL SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			555655	03/16/22 17:45	EMH	TAL SL
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Analyst References:

Lab: TAL SL

Batch Type: Prep

LPS = Lauren Szostak

Batch Type: Analysis

EMH = Elizabeth Hoerchler

FLC = Fernando Cruz

JCB = Jacob Boyd

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: PZ-13S

Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-1

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	-0.0867	U	0.0948	0.0951	1.00	0.221	pCi/L	02/22/22 15:45	03/16/22 17:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:40*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0303	U	0.287	0.287	1.00	0.512	pCi/L	02/22/22 16:25	03/09/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*1*
Y Carrier	*84.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*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	-0.0564	U	0.302	0.302	5.00	0.512	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-14S

Date Collected: 02/08/22 16:50
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-2

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	0.0257	U	0.0784	0.0785	1.00	0.144	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0371	U	0.220	0.220	1.00	0.391	pCi/L	02/22/22 16:25	03/09/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*1*
Y Carrier	*84.1*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*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	0.0627	U	0.234	0.234	5.00	0.391	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-17I

Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-3

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	0.0385	U	0.102	0.102	1.00	0.185	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.272	U	0.342	0.343	1.00	0.567	pCi/L	02/22/22 16:25	03/09/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*1*
Y Carrier	*84.1*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:21*	*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	0.310	U	0.357	0.358	5.00	0.567	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-39S

Date Collected: 02/09/22 10:15
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-4

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	0.0571	U	0.107	0.107	1.00	0.189	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.275	U	0.345	0.345	1.00	0.571	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*87.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.332	U	0.361	0.361	5.00	0.571	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-41S

Date Collected: 02/09/22 15:25
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-5

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	-0.00206	U	0.0893	0.0893	1.00	0.179	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.231	U	0.353	0.353	1.00	0.593	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*84.9*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.229	U	0.364	0.364	5.00	0.593	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-42I

Date Collected: 02/09/22 13:10
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-6

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	-0.0273	U	0.103	0.103	1.00	0.211	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.301	U	0.308	0.309	1.00	0.501	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*87.1*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.274	U	0.325	0.326	5.00	0.501	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-43S

Date Collected: 02/09/22 10:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-7

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	0.0511	U	0.0818	0.0820	1.00	0.141	pCi/L	02/22/22 15:45	03/16/22 17:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*40 - 110*	*02/22/22 15:45*	*03/16/22 17:37*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.361	U	0.268	0.270	1.00	0.421	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*84.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.412	U	0.280	0.282	5.00	0.421	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-44I

Date Collected: 02/09/22 15:45
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-8

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	0.0687	U	0.0816	0.0818	1.00	0.134	pCi/L	02/22/22 15:45	03/16/22 19:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*02/22/22 15:45*	*03/16/22 19:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.169	U	0.235	0.235	1.00	0.392	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*84.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.237	U	0.249	0.249	5.00	0.392	pCi/L		03/17/22 16:33	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: FB-1

Date Collected: 02/09/22 13:35
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-9

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	-0.0292	U	0.0750	0.0750	1.00	0.159	pCi/L	02/22/22 15:45	03/16/22 19:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*40 - 110*	*02/22/22 15:45*	*03/16/22 19:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.109	U	0.236	0.236	1.00	0.406	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*80.0*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.0798	U	0.248	0.248	5.00	0.406	pCi/L		03/17/22 16:33	1

Client: Southern Company
Project/Site: Plant Scherer AP1 Assessment

Job ID: 180-133600-2

Client Sample ID: EB-1

Date Collected: 02/09/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-10

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	-0.00937	U	0.0615	0.0616	1.00	0.129	pCi/L	02/22/22 15:45	03/16/22 19:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*40 - 110*	*02/22/22 15:45*	*03/16/22 19:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.162	U	0.226	0.227	1.00	0.378	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*86.7*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.234	0.235	5.00	0.378	pCi/L		03/17/22 16:33	1

Client Sample ID: DUP-1

Date Collected: 02/09/22 00:00
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133600-11

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	0.0200	U	0.0802	0.0802	1.00	0.149	pCi/L	02/22/22 15:45	03/16/22 19:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*02/22/22 15:45*	*03/16/22 19:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.309	U	0.227	0.229	1.00	0.351	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*1*
Y Carrier	*83.7*		*40 - 110*	*02/22/22 16:25*	*03/09/22 13:25*	*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	0.241	0.243	5.00	0.351	pCi/L		03/17/22 16:33	1

Client Sample ID: PZ-40I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-1

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	0.0445	U	0.0602	0.0603	1.00	0.101	pCi/L	02/22/22 15:12	03/16/22 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:57*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.322	U	0.271	0.272	1.00	0.432	pCi/L	02/22/22 15:42	03/07/22 13:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*1*
Y Carrier	*84.9*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:21*	*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	0.366	U	0.278	0.279	5.00	0.432	pCi/L		03/16/22 17:45	1

Client Sample ID: PZ-69I

Date Collected: 02/10/22 11:27
Date Received: 02/12/22 12:45

Lab Sample ID: 180-133641-2

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	0.0306	U	0.0726	0.0727	1.00	0.135	pCi/L	02/22/22 15:12	03/16/22 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:57*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.387	U	0.365	0.367	1.00	0.590	pCi/L	02/22/22 15:42	03/07/22 13:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*1*
Y Carrier	*83.4*		*40 - 110*	*02/22/22 15:42*	*03/07/22 13:29*	*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	0.418	U	0.372	0.374	5.00	0.590	pCi/L		03/16/22 17:45	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-551849/23-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551849

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05818	U	0.0636	0.0638	1.00	0.149	pCi/L	02/22/22 15:12	03/16/22 11:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*40 - 110*	*02/22/22 15:12*	*03/16/22 11:48*	*1*

Lab Sample ID: LCS 160-551849/1-A
Matrix: Water
Analysis Batch: 555611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551849

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.25		1.15	1.00	0.117	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.5*		*40 - 110*

Lab Sample ID: 500-212081-H-15-A DU
Matrix: Water
Analysis Batch: 555632

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 551849

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.195			0.05380	U	0.0758	1.00	0.128	pCi/L			0.74	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*84.3*		*40 - 110*

Lab Sample ID: MB 160-551854/21-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551854

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05472	U	0.0743	0.0745	1.00	0.125	pCi/L	02/22/22 15:45	03/16/22 19:26	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*40 - 110*	*02/22/22 15:45*	*03/16/22 19:26*	*1*

Lab Sample ID: LCS 160-551854/1-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551854

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.34		1.09	1.00	0.119	pCi/L	91	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-551854/1-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551854

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.5		40 - 110

Lab Sample ID: LCSD 160-551854/2-A
Matrix: Water
Analysis Batch: 555612

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 551854

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	10.95		1.15	1.00	0.116	pCi/L	97	75 - 125	0.27	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	91.3		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-551852/23-A
Matrix: Water
Analysis Batch: 553855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551852

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.01687	U	0.178	0.178	1.00	0.327	pCi/L	02/22/22 15:42	03/07/22 13:30	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		40 - 110	02/22/22 15:42	03/07/22 13:30	1
Y Carrier	87.9		40 - 110	02/22/22 15:42	03/07/22 13:30	1

Lab Sample ID: LCS 160-551852/1-A
Matrix: Water
Analysis Batch: 553908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551852

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.81	9.582		1.11	1.00	0.375	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.5		40 - 110
Y Carrier	86.4		40 - 110

Lab Sample ID: 500-212081-H-15-B DU
Matrix: Water
Analysis Batch: 553908

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 551852

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.0813	U		0.2437	U	0.221	1.00	0.351	pCi/L			0.79	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-212081-H-15-B DU
Matrix: Water
Analysis Batch: 553908

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 551852

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	84.3		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: MB 160-551857/21-A
Matrix: Water
Analysis Batch: 554308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551857

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4240		0.264	0.267	1.00	0.403	pCi/L	02/22/22 16:25	03/09/22 13:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		40 - 110	02/22/22 16:25	03/09/22 13:25	1
Y Carrier	83.7		40 - 110	02/22/22 16:25	03/09/22 13:25	1

Lab Sample ID: LCS 160-551857/1-A
Matrix: Water
Analysis Batch: 554507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551857

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.81	9.313		1.08	1.00	0.373	pCi/L	106	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.5		40 - 110
Y Carrier	84.9		40 - 110

Lab Sample ID: LCSD 160-551857/2-A
Matrix: Water
Analysis Batch: 554507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 551857

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			8.81	9.732		1.13	1.00	0.378	pCi/L	110	75 - 125	0.19	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	91.3		40 - 110
Y Carrier	85.2		40 - 110

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Prep Batch: 551849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	PrecSep-21	
180-133641-2	PZ-69I	Total/NA	Water	PrecSep-21	
MB 160-551849/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-551849/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-212081-H-15-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 551852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133641-1	PZ-40I	Total/NA	Water	PrecSep_0	
180-133641-2	PZ-69I	Total/NA	Water	PrecSep_0	
MB 160-551852/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-551852/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-212081-H-15-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 551854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	PrecSep-21	
180-133600-2	PZ-14S	Total/NA	Water	PrecSep-21	
180-133600-3	PZ-17I	Total/NA	Water	PrecSep-21	
180-133600-4	PZ-39S	Total/NA	Water	PrecSep-21	
180-133600-5	PZ-41S	Total/NA	Water	PrecSep-21	
180-133600-6	PZ-42I	Total/NA	Water	PrecSep-21	
180-133600-7	PZ-43S	Total/NA	Water	PrecSep-21	
180-133600-8	PZ-44I	Total/NA	Water	PrecSep-21	
180-133600-9	FB-1	Total/NA	Water	PrecSep-21	
180-133600-10	EB-1	Total/NA	Water	PrecSep-21	
180-133600-11	DUP-1	Total/NA	Water	PrecSep-21	
MB 160-551854/21-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-551854/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-551854/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 551857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133600-1	PZ-13S	Total/NA	Water	PrecSep_0	
180-133600-2	PZ-14S	Total/NA	Water	PrecSep_0	
180-133600-3	PZ-17I	Total/NA	Water	PrecSep_0	
180-133600-4	PZ-39S	Total/NA	Water	PrecSep_0	
180-133600-5	PZ-41S	Total/NA	Water	PrecSep_0	
180-133600-6	PZ-42I	Total/NA	Water	PrecSep_0	
180-133600-7	PZ-43S	Total/NA	Water	PrecSep_0	
180-133600-8	PZ-44I	Total/NA	Water	PrecSep_0	
180-133600-9	FB-1	Total/NA	Water	PrecSep_0	
180-133600-10	EB-1	Total/NA	Water	PrecSep_0	
180-133600-11	DUP-1	Total/NA	Water	PrecSep_0	
MB 160-551857/21-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-551857/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-551857/2-A	Lab Control Sample Dup	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

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: 2/10/2022	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 AP1 Assessment	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

244- ATLANTA

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 III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
PZ-13S	2/8/2022	16:20	G	GW	6			X	X	X	X	X	X	X	pH= 4.92
PZ-14S	2/8/2022	16:50	G	GW	6			X	X	X	X	X	X	X	pH= 5.42
PZ-17I	2/9/2022	13:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.71
PZ-39S	2/9/2022	10:15	G	GW	6			X	X	X	X	X	X	X	pH= 6.55
PZ-41S	2/9/2022	15:25	G	GW	6			X	X	X	X	X	X	X	pH= 5.95
PZ-42I	2/9/2022	13:10	G	GW	6			X	X	X	X	X	X	X	pH= 6.25
PZ-43S	2/9/2022	10:30	G	GW	8			X	X	X	X	X	X	X	pH= 6.66
PZ-44I	2/9/2022	15:45	G	GW	6			X	X	X	X	X	X	X	pH= 6.57
FB-1	2/9/2022	13:35	G	GW	6			X	X	X	X	X	X	X	
EB-1	2/9/2022	16:30	G	GW	6			X	X	X	X	X	X	X	
DUP-1	2/9/2022	–	G	GW	6			X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								4	4	4	1	1	5	1	

180-133600 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 ar
☐ 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]	GNSP-GOLDER	02/10/22 8:25	Elaine Cook	Courier Nav	2/10/22
Bre Moore		2/10/22 1009	Bre Moore		2/10/22 1009
			Received in Laboratory by: D Watts	ETA Pitt	2-11-22 9:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

 3/18/2022

TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
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	Date: 2/11/2022	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 AP1 Assessment	☐ 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)	App III/IV Total Metals	Cl, F, SO4, TDS	Radium 226/228	Mg, Na, K, Mn	Alkalinity (total, CO3, HCO3)	Sulfide	Fe2, Fe3	Sample Specific Notes:
PZ-40I	2/10/2022	11:27	G	GW	6			X	X	X	X	X	X	X	pH= 6.11
PZ-69I	2/10/2022	11:27	G	GW	6			X	X	X	X	X	X	X	pH= 6.61
								4	1	4	1	1	5	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 ☐ 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:	Golder	2/11/22 16:03	Received by:	ETA	2/11/22 16:03
Relinquished by:	ETA	2/11/22 16:30	Received by:	ETA PM	2/12/22 1245
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

FedEx®

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TestAmerica

1 A
10.30 1680
02.11
RT 98 FZ

180-133600 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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

1 of 6

TRK# 0201 5220 7116 1680

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

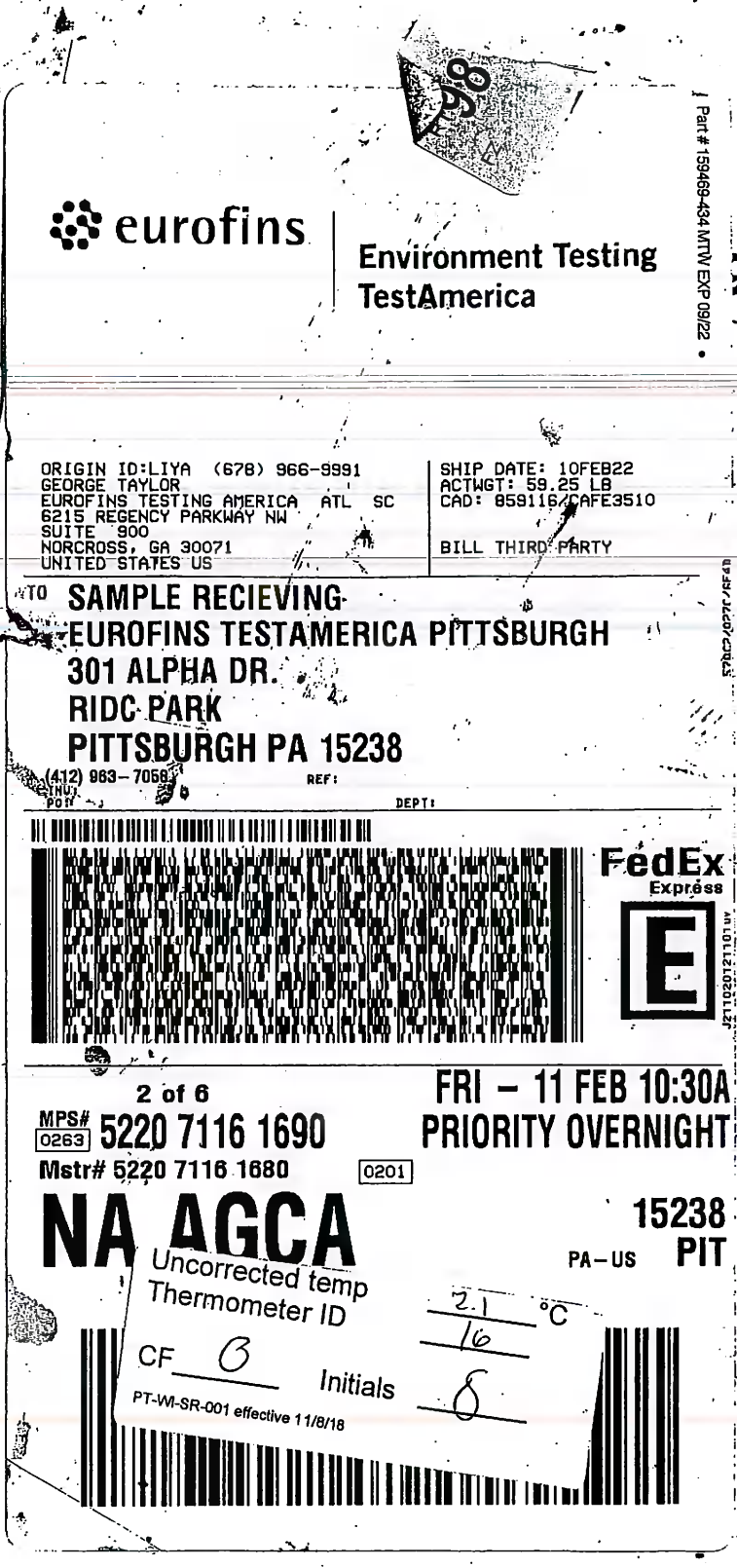
MASTER

NA AGCA

15238
PA-US PIT

Uncorrected temp 3.8 °C
Thermometer ID 16
CF 0 Initials

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



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Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

2 of 6
MPS# 0263 5220 7116 1690
Mstr# 5220 7116 1680 0201

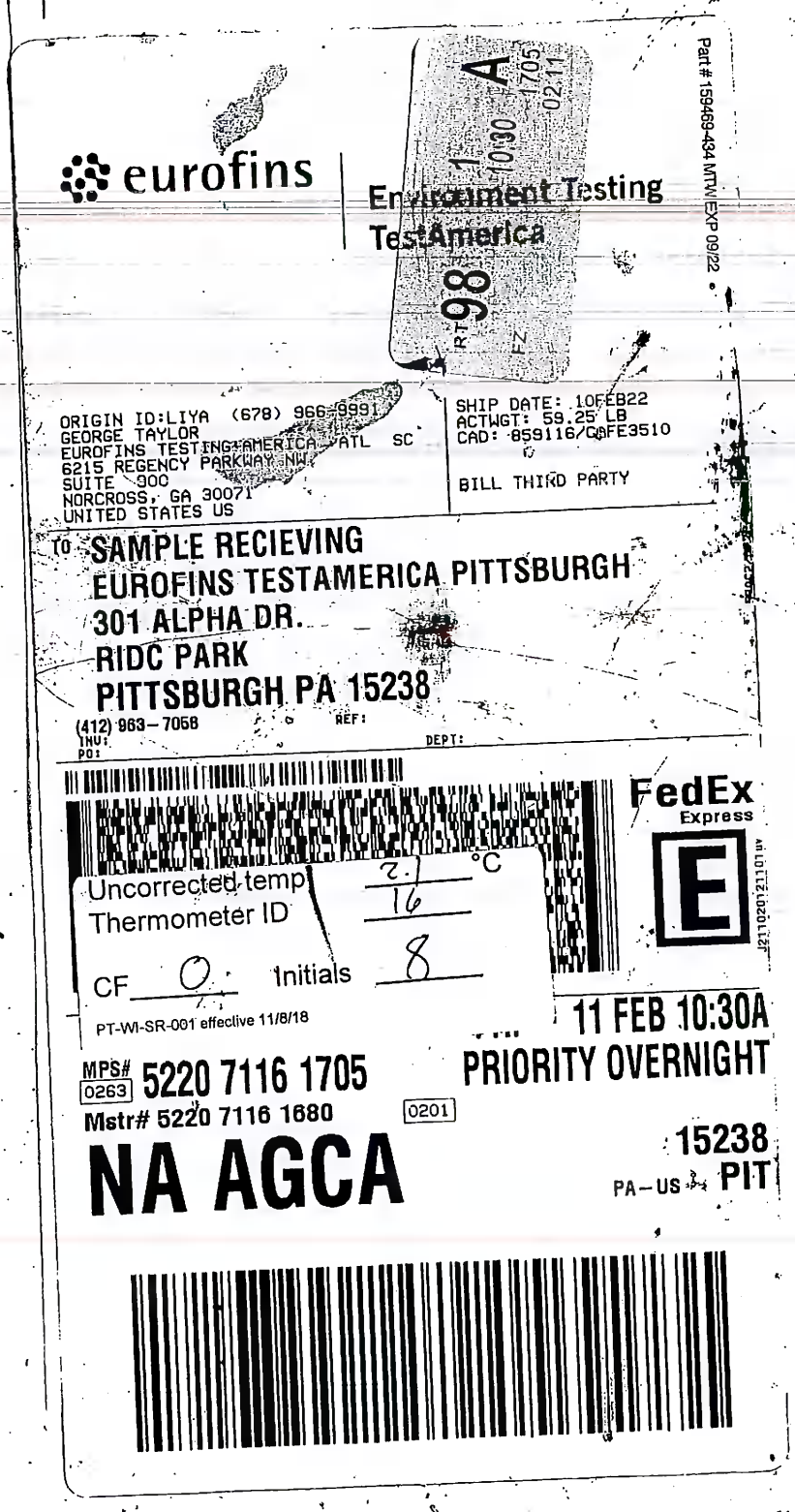
FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PA-US PIT

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

Do not lift using this tag.



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Part # 159469-434 MTW EXP 09/22

ORIGIN ID:LIYA (678) 966-9991
GEORGE TAYLOR
EUROFINS TESTING AMERICA ATL SC
6215 REGENCY PARKWAY NW
SUITE 300
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

FedEx Express

Uncorrected temp 2.1 °C
Thermometer ID 16
CF 0.0 Initials 8
PT-WI-SR-001 effective 11/8/18

11 FEB 10:30A
PRIORITY OVERNIGHT

MPS# 0263 5220 7116 1705
Mstr# 5220 7116 1680
0201

NA AGCA

15238
PA-US PIT

FedEx®

Do not lift using this tag.

RT 98 1 10:30 A 1716 02/11

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

E

Uncorrected temp 4.6
Thermometer ID 16
CF 0 Initials
PT-WI-SR-001 effective 11/8/18

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

4 of 6
MPS# 0263 5220 7116 1716
Mstr# 5220 7116 1680 0201

NA AGCA

15238
PA-US PIT

FZ 02.11

Part # 159469-434 MTW EXP 09/22

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: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

BILL THIRD PARTY

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

INV:
PO:
REF:
DEPT:

FedEx Express

5 of 6

MPS# 0263 5220 7116 1727

Mstr# 5220 7116 1680

0201

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PIT
PA-US

°C

Uncorrected temp 4.4
Thermometer ID 16
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
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071
UNITED STATES US

SHIP DATE: 10FEB22
ACTWGT: 59.25 LB
CAD: 859116/CAFE3510

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

E

Uncorrected temp 1.1 °C
Thermometer ID
CF
Initials

WI-NC-099
SR-001 effective 11/8/18

1 of 6

FRI - 11 FEB 10:30A
PRIORITY OVERNIGHT

0263 5220 7116 1738
Mstr# 5220 7116 1680 0201

NA AGCA

15238
PA-US PIT

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

2230 02.12 12:00 RT 639 FZ

ORIGIN ID:LIYA (678) 96... SHIP DATE: 11FEB22
GEORGE TAYLOR ACTWGT: 51.15 LB
EUROFINS TESTING AMERICA ATL ... CAD: 859116/CAFE3510
6215 REGENCY PARKWAY NW
SUITE 900
NORCROSS, GA 30071 BILL RECIPIENT
UNITED STATES US

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

FedEx Express E

1 of 6

TRK# 0201 5220 7116 2230

SATURDAY 12:00P
PRIORITY OVERNIGHT

MASTER

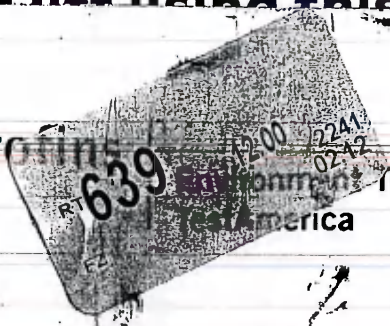
NO AGCA

15238
PA-US PIT

Uncorrected temp 3.3 °C
Thermometer ID 16
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

180-133641 Waybill

Do not lift using this tag



Part # 159469-434 MTW EXP 03/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

2 of 6
MPS# 0263 5220 7116 2241
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp
Thermometer ID
CF 6
Initials
PT-WI-SR-001 effective 11/8/18
35 °C
16
8

FedEx®

Part # 159469-494 MTW EXP 09/22

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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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

J211020121101uv

3 of 6

MPS# 0263 5220 7116 2252

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 16
CF 0 Initials RB

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

eurofins | Environment Testing America

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: [illegible]/CAFE3510

BILL RECIPIENT

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

FedEx Express

J21102012110 1uv

4 of 6

MPS# 0263 5220 7116 2263

Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.9 °C
Thermometer ID 16
CF 0 Initials B
PT-WI-SR-001 effect 11/8/16

RT 639 12:00 2274 02/12

eurofins Environment Testing TestAmerica

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

5 of 6
MPS# 0263 5220 7116 2274
Mstr# 5220 7116 2230 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 2.4 °C
Thermometer ID 16
CF 0 Initials 8
PT-WI-SR-001 effective 11/8/18

Part # 159469-434 MTW EXP 09/22

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: 11FEB22
ACTWGT: 51.15 LB
CAD: 859116/CAFE3510

BILL RECIPIENT

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

FedEx Express

6 of 6

MPS# 0263 5220 7116 2285

Mstr# 5220 7116 2230

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

NO AGCA

15238
PA-US PIT

Uncorrected temp 4.7 °C
Thermometer ID 16
CF 0 Initials

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

Eurofins 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: 180-454880.1
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 #: 180-133600-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 AP1 Assessment	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

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:

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:								
PZ-13S (180-133600-1)	2/8/22	16:20 Eastern		Water			X	X	X	2	
PZ-14S (180-133600-2)	2/8/22	16:50 Eastern		Water			X	X	X	2	
PZ-17I (180-133600-3)	2/9/22	13:10 Eastern		Water			X	X	X	2	
PZ-39S (180-133600-4)	2/9/22	10:15 Eastern		Water			X	X	X	2	
PZ-41S (180-133600-5)	2/9/22	15:25 Eastern		Water			X	X	X	2	
PZ-42I (180-133600-6)	2/9/22	13:10 Eastern		Water			X	X	X	2	
PZ-43S (180-133600-7)	2/9/22	10:30 Eastern		Water			X	X	X	4	
PZ-44I (180-133600-8)	2/9/22	15:45 Eastern		Water			X	X	X	2	
FB-1 (180-133600-9)	2/9/22	13:35 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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
MO	2-14-22 1700	CARRIER	FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: 2-15-22 0910	Company CARRIER
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 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: 180-454880.2
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 #: 180-133600-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 AP1 Assessment	Project #: 18019884			
Site: CCR Plant Scherer	SSOW#:			

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:

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-1 (180-133600-10)	2/9/22	16:30 Eastern		Water			X	X	X	2	
DUP-1 (180-133600-11)	2/9/22	Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2-14-22 1700	[illegible]	FED EX		
2	FED EX			Siena Worthington	2-15-22 0910	[illegible]
3						

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

Ver: 06/08/2021

Eurofins 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: 180-454880.1
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 #: 180-133600-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 AP1 Assessment	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:								
PZ-13S (180-133600-1)	2/8/22	16:20 Eastern		Water			X	X	X	2	
PZ-14S (180-133600-2)	2/8/22	16:50 Eastern		Water			X	X	X	2	
PZ-17I (180-133600-3)	2/9/22	13:10 Eastern		Water			X	X	X	2	
PZ-39S (180-133600-4)	2/9/22	10:15 Eastern		Water			X	X	X	2	
PZ-41S (180-133600-5)	2/9/22	15:25 Eastern		Water			X	X	X	2	
PZ-42I (180-133600-6)	2/9/22	13:10 Eastern		Water			X	X	X	2	
PZ-43S (180-133600-7)	2/9/22	10:30 Eastern		Water			X	X	X	4	
PZ-44I (180-133600-8)	2/9/22	15:45 Eastern		Water			X	X	X	2	
FB-1 (180-133600-9)	2/9/22	13:35 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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: 2-14-22 1700	Company: retrott	Received by: FED EX	Date/Time:	Company
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: 2-15-22 0910	Company: EHST
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

3/18/2022

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-454880.2
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 #: 180-133600-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/17/2022			
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 AP1 Assessment	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:								
EB-1 (180-133600-10)	2/9/22	16:30 Eastern		Water			X	X	X	2	
DUP-1 (180-133600-11)	2/9/22	Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Pittsburgh.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[illegible]	2-14-22 1700	[illegible]	FED EX		
2	FED EX			Sierra Worthington	2-15-22 0910	EDSR
3						

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

Ver: 06/08/2021

eurofins | Environment Testing TestAmerica

CONDITION UPON RECEIPT FORM

Client: Xenco - El Paso

Initiated by: aj Date: 2-15-22 Time: 0910 Shipper: FE Package Quantity: _____

Completed by: _____

Sample must be received at < 6°C for Wet Chem and Mercury. If not, note temp below.
Metal soil samples must be refrigerated upon receipt.
If samples are from West Virginia, please fill out form ADMIN-0031.

Thermometer ID (°C): IR-2

Thermometer CF (°C): +0.4

	Shipping #(s)	Package Temp (°C)	Document #:
1.	7760 4198 8670	4.9	water no ice
2.			
3.			
4.			
5.			
6.			
7.			

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below) pH strip lot #:
4.	Y N	Sample received with Chain of Custody?	11.	Y N N/A	Containers for Rn-222, C-14, Cl-36, H-3 & I-129/131 marked with "Do Not Preserve" label?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N	Sample received in proper containers?
6.	Y N	Was sample received broken?	13.	Y N N/A	Headspace in VOA, or Rn-222 liquid samples? (>6mm) (If Yes, note sample ID's below)
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Soil containers for C-14, H-3,Tc-99 & I-129/131 marked with "Do Not Dry" label?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, Rn-222 and soils.

Notes:

pH Adjustment (if needed)	Date/Time of Preservation:
Initial pH and pH strip lot#:	Preservative and lot#:
Final pH and pH strip lot#:	Amount of Preservative:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133600-2

Login Number: 133600
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins 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: 180-133600-2

Login Number: 133600
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/15/22 11:49 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: 180-133600-2

Login Number: 133641
List Number: 1
Creator: Jodis, Matthew V

List Source: Eurofins 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: 180-133600-2

Login Number: 133641
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/15/22 01:44 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 Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-133608-1
Client Project/Site: Plant Scherer PZ-25S and PZ-25I

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

Attn: Joju Abraham

Authorized for release by:
2/22/2022 11:44:06 AM

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

LINKS

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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 PZ-25S and PZ-25I

Job ID: 180-133608-1

Job ID: 180-133608-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-133608-1

Receipt
The samples were received on 2/11/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished.
The Field Sampler was not listed on the Chain of Custody.

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

Field Service / Mobile Lab
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: 180-133608-1
Project/Site: Plant Scherer PZ-25S and PZ-25I

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: 180-133608-1
Project/Site: Plant Scherer PZ-25S and PZ-25I

Laboratory: Eurofins 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	06-27-22
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	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22
North Carolina (WW/SW)	State	434	12-31-22
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	06-30-22
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	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-133608-1	PZ-25S	Water	02/08/22 16:30	02/11/22 09:30
180-133608-2	PZ-25I	Water	02/08/22 16:20	02/11/22 09:30

Method Summary

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

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 Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

Client Sample ID: PZ-25S
Date Collected: 02/08/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133608-1
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			25 mL	25 mL	388187	02/14/22 13:56	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388561	02/16/22 12:07	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	Field Sampling		1			389001	02/08/22 16:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: PZ-25I
Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133608-2
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			25 mL	25 mL	388187	02/14/22 13:56	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			388561	02/16/22 12:15	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	Field Sampling		1			389001	02/08/22 16:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

RGM = Rebecca Manns

Batch Type: Analysis

FDS = Sampler Field

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

Client Sample ID: PZ-25S

Date Collected: 02/08/22 16:30
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133608-1

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	0.00026	mg/L		02/14/22 13:56	02/16/22 12:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.86				SU			02/08/22 16:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

Client Sample ID: PZ-25I

Date Collected: 02/08/22 16:20
Date Received: 02/11/22 09:30

Lab Sample ID: 180-133608-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0012	J	0.0025	0.00026	mg/L		02/14/22 13:56	02/16/22 12:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.64				SU			02/08/22 16:20	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer PZ-25S and PZ-25I

Job ID: 180-133608-1

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

Lab Sample ID: MB 180-388187/1-A
Matrix: Water
Analysis Batch: 388561

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00026		0.0025	0.00026	mg/L		02/14/22 13:56	02/16/22 11:46	1

Lab Sample ID: LCS 180-388187/2-A
Matrix: Water
Analysis Batch: 388561

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388187

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cobalt			0.500	0.496		mg/L		99	80 - 120		

Lab Sample ID: 180-133584-B-2-A MS
Matrix: Water
Analysis Batch: 388561

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 388187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cobalt	0.00037	J	0.500	0.503		mg/L		100	75 - 125		

Lab Sample ID: 180-133584-B-2-B MSD
Matrix: Water
Analysis Batch: 388561

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 388187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	0.00037	J	0.500	0.488		mg/L		98	75 - 125	3	20

QC Association Summary

Client: Southern Company
Job ID: 180-133608-1
Project/Site: Plant Scherer PZ-25S and PZ-25I

Metals

Prep Batch: 388187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133608-1	PZ-25S	Total Recoverable	Water	3005A	
180-133608-2	PZ-25I	Total Recoverable	Water	3005A	
MB 180-388187/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-388187/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-133584-B-2-A MS	Matrix Spike	Total Recoverable	Water	3005A	
180-133584-B-2-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 388561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133608-1	PZ-25S	Total Recoverable	Water	EPA 6020B	388187
180-133608-2	PZ-25I	Total Recoverable	Water	EPA 6020B	388187
MB 180-388187/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	388187
LCS 180-388187/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	388187
180-133584-B-2-A MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	388187
180-133584-B-2-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	388187

Field Service / Mobile Lab

Analysis Batch: 389001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-133608-1	PZ-25S	Total/NA	Water	Field Sampling	
180-133608-2	PZ-25I	Total/NA	Water	Field Sampling	

TestAmerica Pittsburgh
1 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
Phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

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: 2/10/2022	COC No:
Anju 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 ______			Walk-in Client:
Abraham@southernco.com	☑ 2 weeks			Lab Sampling:
Project Name: Plant Scherer PZ-25S and PZ-25I	☐ 1 week			
Site: Georgia	☐ 2 days			Job / SDG No.:
PO #	☐ 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	Sample Specific Notes:
PZ-25S	2/8/2022	16:30	G	Water	1			X	pH = 4.86
PZ-25I	2/8/2022	16:20	G	Water	1			X	pH = 6.64

244-ATLANTA

180-133608 Chain of Custody

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ______ Months

Special Instructions/QC Requirements & Comments:

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

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	WSP Golder	02/10/22 8:25	Elaine Cook	Courier Now	2/10/22
Dave Moore		2/10/22 1009	Bree Moore		2/10/22 1009
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: D Wootton	Company: ETA Pitt	Date/Time: 2-11-22 9:30

Form No. CA-C-WI-002, Rev. 4.20, dated 2/28/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-133608-1

Login Number: 133608
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins 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	

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. 4104-4113) and the
National Environmental Laboratory Accreditation Program Standard
is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: **04/30/2022**

Certificate Number: **018**

Annmarie Beach

Annmarie Beach, Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

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 State	Effective Date
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	03/04/2013
EPA 120.1		Conductivity	NELAP	PA	11/15/2011
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	12/05/2013
EPA 160.4		Residue, volatile	NELAP	PA	02/03/2016
EPA 1664	A	Non-polar material	NELAP	PA	08/24/2005
EPA 1664	A	Oil and grease	NELAP	PA	04/07/2005
EPA 1664	B	Non-polar material	NELAP	PA	01/10/2014
EPA 1664	B	Oil and grease	NELAP	PA	01/10/2014
EPA 180.1		Turbidity	NELAP	PA	08/26/2006
EPA 200.7	4.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Antimony	NELAP	PA	04/07/2005
EPA 200.7	4.4	Arsenic	NELAP	PA	04/07/2005
EPA 200.7	4.4	Barium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Boron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Calcium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Chromium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.7	4.4	Copper	NELAP	PA	04/07/2005
EPA 200.7	4.4	Iron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lead	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lithium	NELAP	PA	09/05/2012
EPA 200.7	4.4	Magnesium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Manganese	NELAP	PA	04/07/2005
EPA 200.7	4.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Nickel	NELAP	PA	04/07/2005
EPA 200.7	4.4	Potassium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Selenium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Silica, as SiO2	NELAP	PA	08/24/2005
EPA 200.7	4.4	Silver	NELAP	PA	04/07/2005
EPA 200.7	4.4	Sodium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Strontium	NELAP	PA	03/01/2007
EPA 200.7	4.4	Thallium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Tin	NELAP	PA	04/07/2005
EPA 200.7	4.4	Titanium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Zinc	NELAP	PA	04/07/2005
EPA 200.8	5.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Antimony	NELAP	PA	04/07/2005

Annmarie Beach

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

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
EPA 200.8	5.4	Arsenic	NELAP	PA	03/21/2012
EPA 200.8	5.4	Barium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Boron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Calcium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Chromium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.8	5.4	Copper	NELAP	PA	11/15/2011
EPA 200.8	5.4	Iron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Lead	NELAP	PA	04/07/2005
EPA 200.8	5.4	Lithium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Magnesium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Manganese	NELAP	PA	01/22/2007
EPA 200.8	5.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Nickel	NELAP	PA	04/07/2005
EPA 200.8	5.4	Phosphorus, total	NELAP	PA	04/19/2018
EPA 200.8	5.4	Potassium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Selenium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 200.8	5.4	Silver	NELAP	PA	04/07/2005
EPA 200.8	5.4	Sodium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Strontium	NELAP	PA	03/01/2007
EPA 200.8	5.4	Thallium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Thorium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Tin	NELAP	PA	08/24/2005
EPA 200.8	5.4	Titanium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Uranium (mass)	NELAP	PA	03/24/2017
EPA 200.8	5.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Zinc	NELAP	PA	04/07/2005
EPA 245.1	3.0	Mercury	NELAP	PA	04/07/2005
EPA 300.0	2.1	Bromide	NELAP	PA	08/24/2005
EPA 300.0	2.1	Chloride	NELAP	PA	04/07/2005
EPA 300.0	2.1	Fluoride	NELAP	PA	08/24/2005
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/07/2005
EPA 300.0	2.1	Sulfate	NELAP	PA	04/07/2005
EPA 3005	A	Preconcentration under acid	NELAP	PA	08/26/2006
EPA 3010	A	Hot plate acid digestion (HNO3 + HCl)	NELAP	PA	08/26/2006
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	08/26/2006
EPA 350.1	2.0	Ammonia as N	NELAP	PA	07/11/2016

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 353.2		Total nitrate-nitrite	NELAP	PA	08/26/2006
EPA 3620	B	Florisil cleanup	NELAP	PA	08/26/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	03/16/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	08/26/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	08/26/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	12/30/2019
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	10/13/2020
EPA 420.1		Total phenolics	NELAP	PA	04/08/2008
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5030	C	Aqueous-phase purge-and-trap	NELAP	PA	12/05/2013
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	03/16/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Antimony	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Arsenic	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Barium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Beryllium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Boron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cadmium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Calcium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Chromium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cobalt	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Copper	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Iron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lead	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lithium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Magnesium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Manganese	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Molybdenum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Nickel	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Potassium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Selenium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Sodium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Strontium	NELAP	PA	08/26/2006

Annmarie Beach

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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 6010	B, C, D	Thallium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Tin	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Titanium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Vanadium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Zinc	NELAP	PA	08/26/2006
EPA 6020	A	Metals by ICP/MS	NELAP	PA	03/16/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	08/26/2006
EPA 6020	A, B	Antimony	NELAP	PA	08/26/2006
EPA 6020	A, B	Arsenic	NELAP	PA	03/21/2012
EPA 6020	A, B	Barium	NELAP	PA	08/26/2006
EPA 6020	A, B	Beryllium	NELAP	PA	08/26/2006
EPA 6020	A, B	Boron	NELAP	PA	08/26/2006
EPA 6020	A, B	Cadmium	NELAP	PA	08/26/2006
EPA 6020	A, B	Calcium	NELAP	PA	08/26/2006
EPA 6020	A, B	Chromium	NELAP	PA	08/26/2006
EPA 6020	A, B	Cobalt	NELAP	PA	08/26/2006
EPA 6020	A, B	Copper	NELAP	PA	11/15/2011
EPA 6020	A, B	Iron	NELAP	PA	08/26/2006
EPA 6020	A, B	Lead	NELAP	PA	08/26/2006
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/26/2006
EPA 6020	A, B	Manganese	NELAP	PA	01/22/2007
EPA 6020	A, B	Molybdenum	NELAP	PA	08/26/2006
EPA 6020	A, B	Nickel	NELAP	PA	08/26/2006
EPA 6020	A, B	Phosphorus, total	NELAP	PA	04/19/2018
EPA 6020	A, B	Potassium	NELAP	PA	08/26/2006
EPA 6020	A, B	Selenium	NELAP	PA	08/26/2006
EPA 6020	A, B	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	08/26/2006
EPA 6020	A, B	Sodium	NELAP	PA	08/26/2006
EPA 6020	A, B	Strontium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thallium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/26/2006
EPA 6020	A, B	Titanium	NELAP	PA	08/26/2006
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	08/26/2006
EPA 6020	A, B	Zinc	NELAP	PA	08/26/2006
EPA 608		4,4'-DDD	NELAP	PA	04/07/2005

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 608		4,4'-DDE	NELAP	PA	04/07/2005
EPA 608		4,4'-DDT	NELAP	PA	04/07/2005
EPA 608		Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1016 (PCB-1016)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1221 (PCB-1221)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1232 (PCB-1232)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1242 (PCB-1242)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1248 (PCB-1248)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1254 (PCB-1254)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1260 (PCB-1260)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2009
EPA 608		Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2009
EPA 608		Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 608		Dieldrin	NELAP	PA	04/07/2005
EPA 608		Endosulfan I	NELAP	PA	04/07/2005
EPA 608		Endosulfan II	NELAP	PA	04/07/2005
EPA 608		Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 608		Endrin	NELAP	PA	04/07/2005
EPA 608		Endrin aldehyde	NELAP	PA	11/07/2006
EPA 608		Endrin ketone	NELAP	PA	03/01/2007
EPA 608		Heptachlor	NELAP	PA	04/07/2005
EPA 608		Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 608		Methoxychlor	NELAP	PA	04/18/2006
EPA 608		Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 608		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		alpha-Chlordane	NELAP	PA	04/18/2006
EPA 608		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 608		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-Chlordane	NELAP	PA	04/18/2006
EPA 608.3		4,4'-DDD	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDE	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDT	NELAP	PA	04/19/2018
EPA 608.3		Aldrin (HHDN)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1016 (PCB-1016)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1221 (PCB-1221)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1232 (PCB-1232)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1242 (PCB-1242)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1248 (PCB-1248)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1254 (PCB-1254)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1260 (PCB-1260)	NELAP	PA	04/19/2018

Annmarie Beach

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

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
EPA 608.3		Chlordane (tech.)	NELAP	PA	12/30/2019
EPA 608.3		Dieldrin	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan I	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan II	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan sulfate	NELAP	PA	04/19/2018
EPA 608.3		Endrin	NELAP	PA	04/19/2018
EPA 608.3		Endrin aldehyde	NELAP	PA	04/19/2018
EPA 608.3		Endrin ketone	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor epoxide	NELAP	PA	04/19/2018
EPA 608.3		Methoxychlor	NELAP	PA	04/19/2018
EPA 608.3		Toxaphene (Chlorinated camphene)	NELAP	PA	04/19/2018
EPA 608.3		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		alpha-Chlordane	NELAP	PA	04/19/2018
EPA 608.3		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-Chlordane	NELAP	PA	04/19/2018
EPA 624		1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/08/2009
EPA 624		1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloropropene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/08/2009
EPA 624		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/08/2009
EPA 624		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 624		1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,3-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624		2,2-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	03/01/2007
EPA 624		2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 624		2-Hexanone	NELAP	PA	04/08/2008
EPA 624		4-Chlorotoluene	NELAP	PA	04/08/2009
EPA 624		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/08/2008
EPA 624		Acetone	NELAP	PA	04/08/2008
EPA 624		Acetonitrile	NELAP	PA	04/08/2009
EPA 624		Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 624		Acrylonitrile	NELAP	PA	04/07/2005
EPA 624		Benzene	NELAP	PA	04/07/2005
EPA 624		Bromobenzene	NELAP	PA	04/08/2009
EPA 624		Bromochloromethane	NELAP	PA	03/01/2007
EPA 624		Bromodichloromethane	NELAP	PA	04/07/2005
EPA 624		Bromoform	NELAP	PA	04/07/2005
EPA 624		Carbon disulfide	NELAP	PA	04/08/2009
EPA 624		Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 624		Chlorobenzene	NELAP	PA	04/07/2005
EPA 624		Chloroethane	NELAP	PA	04/07/2005
EPA 624		Chloroform	NELAP	PA	04/07/2005
EPA 624		Cyclohexane	NELAP	PA	04/08/2009
EPA 624		Dibromochloromethane	NELAP	PA	04/07/2005
EPA 624		Dibromomethane	NELAP	PA	04/08/2009
EPA 624		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/08/2009
EPA 624		Ethyl methacrylate	NELAP	PA	04/08/2009
EPA 624		Ethylbenzene	NELAP	PA	04/07/2005
EPA 624		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/08/2009
EPA 624		Iodomethane (Methyl iodide)	NELAP	PA	04/08/2009
EPA 624		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/08/2009
EPA 624		Isopropylbenzene (Cumene)	NELAP	PA	04/08/2009
EPA 624		Methacrylonitrile	NELAP	PA	04/08/2009
EPA 624		Methyl acetate	NELAP	PA	04/08/2009
EPA 624		Methyl bromide (Bromomethane)	NELAP	PA	11/07/2006
EPA 624		Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 624		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/08/2008
EPA 624		Methylcyclohexane	NELAP	PA	04/08/2009
EPA 624		Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 624		Methylmethacrylate	NELAP	PA	04/08/2009
EPA 624		Naphthalene	NELAP	PA	12/22/2020
EPA 624		Propionitrile (Ethyl cyanide)	NELAP	PA	04/08/2009
EPA 624		Styrene	NELAP	PA	04/08/2009
EPA 624		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

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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		Toluene	NELAP	PA	04/07/2005
EPA 624		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 624		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 624		Vinyl acetate	NELAP	PA	04/08/2009
EPA 624		Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 624		Xylenes, total	NELAP	PA	04/07/2005
EPA 624		cis-1,2-Dichloroethene	NELAP	PA	04/08/2009
EPA 624		cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		m+p-Xylene	NELAP	PA	08/24/2005
EPA 624		n-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		n-Hexane	NELAP	PA	04/20/2011
EPA 624		n-Propylbenzene	NELAP	PA	04/08/2009
EPA 624		o-Xylene	NELAP	PA	08/24/2005
EPA 624		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/08/2009
EPA 624		sec-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2009
EPA 624		tert-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 624		trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		trans-1,4-Dichloro-2-butene	NELAP	PA	04/08/2009
EPA 624.1		1,1,1,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,1-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloroethene (total)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichloropropane	NELAP	PA	04/19/2018

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 624.1		2,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/19/2018
EPA 624.1		2-Chloroethyl vinyl ether	NELAP	PA	04/19/2018
EPA 624.1		2-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		2-Hexanone	NELAP	PA	04/19/2018
EPA 624.1		4-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/19/2018
EPA 624.1		Acetone	NELAP	PA	04/19/2018
EPA 624.1		Acrolein (Propenal)	NELAP	PA	04/19/2018
EPA 624.1		Acrylonitrile	NELAP	PA	04/19/2018
EPA 624.1		Allyl chloride (3-Chloropropene)	NELAP	PA	04/19/2018
EPA 624.1		Benzene	NELAP	PA	04/19/2018
EPA 624.1		Bromobenzene	NELAP	PA	04/19/2018
EPA 624.1		Bromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromodichloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromoform	NELAP	PA	04/19/2018
EPA 624.1		Carbon disulfide	NELAP	PA	04/19/2018
EPA 624.1		Carbon tetrachloride	NELAP	PA	04/19/2018
EPA 624.1		Chlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		Chloroethane	NELAP	PA	04/19/2018
EPA 624.1		Chloroform	NELAP	PA	04/19/2018
EPA 624.1		Cyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Dibromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Dibromomethane	NELAP	PA	04/19/2018
EPA 624.1		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/19/2018
EPA 624.1		Dichlorofluoromethane (Freon 21)	NELAP	PA	04/19/2018
EPA 624.1		Diethyl ether (Ethyl ether)	NELAP	PA	04/19/2018
EPA 624.1		Ethyl methacrylate	NELAP	PA	04/19/2018
EPA 624.1		Ethylbenzene	NELAP	PA	04/19/2018
EPA 624.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 624.1		Iodomethane (Methyl iodide)	NELAP	PA	04/19/2018
EPA 624.1		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/19/2018
EPA 624.1		Isopropylbenzene (Cumene)	NELAP	PA	04/19/2018
EPA 624.1		Methyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Methyl bromide (Bromomethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl chloride (Chloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/19/2018
EPA 624.1		Methylcyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Methylene chloride (Dichloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Naphthalene	NELAP	PA	12/22/2020

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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		Styrene	NELAP	PA	04/19/2018
EPA 624.1		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Tetrahydrofuran (THF)	NELAP	PA	04/19/2018
EPA 624.1		Toluene	NELAP	PA	04/19/2018
EPA 624.1		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/19/2018
EPA 624.1		Vinyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Vinyl chloride (Chloroethene)	NELAP	PA	04/19/2018
EPA 624.1		Xylenes, total	NELAP	PA	04/19/2018
EPA 624.1		cis-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		cis-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		m+p-Xylene	NELAP	PA	04/19/2018
EPA 624.1		n-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		n-Hexane	NELAP	PA	04/19/2018
EPA 624.1		n-Propylbenzene	NELAP	PA	04/19/2018
EPA 624.1		o-Xylene	NELAP	PA	04/19/2018
EPA 624.1		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/19/2018
EPA 624.1		sec-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/19/2018
EPA 624.1		tert-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,4-Dichloro-2-butene	NELAP	PA	04/19/2018
EPA 625		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/08/2009
EPA 625		1,2,3,4-Tetrahydronaphthalene	NELAP	PA	04/08/2009
EPA 625		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/08/2009
EPA 625		1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 625		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,2-Diphenylhydrazine	NELAP	PA	04/08/2009
EPA 625		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/08/2009
EPA 625		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009
EPA 625		1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 625		2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/08/2009
EPA 625		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 625		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3,5,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3-Dichloroaniline	NELAP	PA	04/08/2009
EPA 625		2,4,5-Trichlorophenol	NELAP	PA	08/24/2005
EPA 625		2,4,6-Trichlorophenol	NELAP	PA	04/07/2005

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 625		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/08/2009
EPA 625		2-Bromonaphthalene	NELAP	PA	04/08/2009
EPA 625		2-Chloronaphthalene	NELAP	PA	04/07/2005
EPA 625		2-Chlorophenol	NELAP	PA	04/07/2005
EPA 625		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 625		2-Methylnaphthalene	NELAP	PA	08/24/2005
EPA 625		2-Methylphenol (o-Cresol)	NELAP	PA	04/18/2006
EPA 625		2-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		2-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	03/01/2007
EPA 625		3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 625		3-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		3-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/08/2009
EPA 625		4-Bromophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 625		4-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		4-Chlorophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		6-Methylchrysene	NELAP	PA	04/08/2009
EPA 625		Acenaphthene	NELAP	PA	04/07/2005
EPA 625		Acenaphthylene	NELAP	PA	10/27/2010
EPA 625		Acetophenone	NELAP	PA	08/24/2005
EPA 625		Acrylamide	NELAP	PA	11/21/2018
EPA 625		Aniline	NELAP	PA	08/24/2005
EPA 625		Anthracene	NELAP	PA	04/07/2005
EPA 625		Aramite	NELAP	PA	04/08/2009
EPA 625		Atrazine	NELAP	PA	04/08/2009
EPA 625		Benzaldehyde	NELAP	PA	04/08/2009
EPA 625		Benzidine	NELAP	PA	04/07/2005
EPA 625		Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 625		Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 625		Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 625		Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzoic acid	NELAP	PA	04/08/2009

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		Benzotrichloride	NELAP	PA	04/08/2009
EPA 625		Benzyl alcohol	NELAP	PA	04/08/2009
EPA 625		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 625		Caprolactam	NELAP	PA	04/08/2009
EPA 625		Carbaryl (Sevin)	NELAP	PA	04/08/2009
EPA 625		Carbazole	NELAP	PA	04/08/2009
EPA 625		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 625		Cresols (total)	NELAP	PA	04/18/2006
EPA 625		Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 625		Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 625		Diallate (cis or trans)	NELAP	PA	04/08/2009
EPA 625		Dibenz[a,h]acridine	NELAP	PA	04/08/2009
EPA 625		Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 625		Dibenzofuran	NELAP	PA	04/08/2009
EPA 625		Diethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Dimethoate	NELAP	PA	04/08/2009
EPA 625		Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Fluoranthene	NELAP	PA	04/07/2005
EPA 625		Fluorene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 625		Hexachlorocyclopentadiene	NELAP	PA	04/07/2005
EPA 625		Hexachloroethane	NELAP	PA	04/07/2005
EPA 625		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 625		Isodrin	NELAP	PA	04/08/2009
EPA 625		Isophorone	NELAP	PA	04/07/2005
EPA 625		Kepone	NELAP	PA	04/08/2009
EPA 625		Methyl parathion (Parathion, methyl)	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiethylamine	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 625		Naphthalene	NELAP	PA	04/07/2005
EPA 625		Nitrobenzene	NELAP	PA	04/07/2005
EPA 625		Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/08/2009
EPA 625		Pentachlorobenzene	NELAP	PA	04/08/2009
EPA 625		Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 625		Phenanthrene	NELAP	PA	04/07/2005
EPA 625		Phenol	NELAP	PA	04/07/2005
EPA 625		Pyrene	NELAP	PA	04/07/2005
EPA 625		Pyridine	NELAP	PA	04/08/2009
EPA 625		bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005

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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
EPA 625		bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 625		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 625		n-Octadecane	NELAP	PA	04/08/2009
EPA 625		o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/08/2009
EPA 625.1		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/19/2018
EPA 625.1		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,2-Diphenylhydrazine	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 625.1		1-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/19/2018
EPA 625.1		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,5-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,6-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dimethylphenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2-Chloronaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Chlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/19/2018
EPA 625.1		2-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Methylphenol (o-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		2-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		2-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		3,3'-Dichlorobenzidine	NELAP	PA	04/19/2018
EPA 625.1		3-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Bromophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Chloro-3-methylphenol	NELAP	PA	04/19/2018
EPA 625.1		4-Chloroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Chlorophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		Acenaphthene	NELAP	PA	04/19/2018

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Acenaphthylene	NELAP	PA	04/19/2018
EPA 625.1		Acetophenone	NELAP	PA	04/19/2018
EPA 625.1		Acrylamide	NELAP	PA	11/21/2018
EPA 625.1		Aniline	NELAP	PA	04/19/2018
EPA 625.1		Anthracene	NELAP	PA	04/19/2018
EPA 625.1		Atrazine	NELAP	PA	04/19/2018
EPA 625.1		Benzaldehyde	NELAP	PA	04/19/2018
EPA 625.1		Benzidine	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]pyrene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[b]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[ghi]perylene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[k]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzoic acid	NELAP	PA	04/19/2018
EPA 625.1		Benzyl alcohol	NELAP	PA	04/19/2018
EPA 625.1		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/19/2018
EPA 625.1		Caprolactam	NELAP	PA	04/19/2018
EPA 625.1		Carbazole	NELAP	PA	04/19/2018
EPA 625.1		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/19/2018
EPA 625.1		Cresols (total)	NELAP	PA	04/19/2018
EPA 625.1		Di-n-butyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Di-n-octyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dibenzo[a,h]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Dibenzofuran	NELAP	PA	04/19/2018
EPA 625.1		Diethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dimethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Fluorene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorocyclopentadiene	NELAP	PA	04/19/2018
EPA 625.1		Hexachloroethane	NELAP	PA	04/19/2018
EPA 625.1		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/19/2018
EPA 625.1		Isophorone	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodi-n-propylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodimethylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodiphenylamine	NELAP	PA	04/19/2018
EPA 625.1		Naphthalene	NELAP	PA	04/19/2018
EPA 625.1		Nitrobenzene	NELAP	PA	04/19/2018
EPA 625.1		Pentachlorophenol (PCP)	NELAP	PA	04/19/2018
EPA 625.1		Phenanthrene	NELAP	PA	04/19/2018
EPA 625.1		Phenol	NELAP	PA	04/19/2018

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Pyrene	NELAP	PA	04/19/2018
EPA 625.1		Pyridine	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethoxy)methane	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethyl) ether	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/19/2018
EPA 625.1		n-Decane	NELAP	PA	04/19/2018
EPA 625.1		n-Hexadecane	NELAP	PA	04/19/2018
EPA 625.1		n-Octadecane	NELAP	PA	04/19/2018
EPA 7196	A	Chromium VI	NELAP	PA	08/26/2006
EPA 7470	A	Mercury	NELAP	PA	08/26/2006
EPA 8011		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8011		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/18/2006
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDE	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDT	NELAP	PA	08/26/2006
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	08/26/2006
EPA 8081	A, B	Chlorbenside	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Diallate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan I	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan II	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	11/07/2006
EPA 8081	A, B	Endrin ketone	NELAP	PA	01/06/2006
EPA 8081	A, B	Heptachlor	NELAP	PA	08/26/2006
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	08/26/2006
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/20/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Methoxychlor	NELAP	PA	01/06/2006
EPA 8081	A, B	Mirex	NELAP	PA	08/26/2006
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/08/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	08/26/2006
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	08/26/2006

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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 8081	A, B	alpha-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/08/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	09/06/2012
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	08/26/2006

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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 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A, B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/26/2006
EPA 8141	A, B	Coumaphos	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton	NELAP	PA	04/08/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton-S	NELAP	PA	08/26/2006
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dichlorovos (DDVP, Dichlorvos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dimethoate	NELAP	PA	08/26/2006
EPA 8141	A, B	Disulfoton	NELAP	PA	08/26/2006
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Famphur	NELAP	PA	08/26/2006
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/26/2006
EPA 8141	A, B	Fenthion	NELAP	PA	08/26/2006
EPA 8141	A, B	Malathion	NELAP	PA	08/26/2006
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	08/26/2006
EPA 8141	A, B	Mevinphos	NELAP	PA	08/26/2006
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	03/01/2007
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ronnel	NELAP	PA	08/26/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	08/26/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	08/26/2006
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	08/26/2006
EPA 8151	A	2,4-D	NELAP	PA	08/26/2006

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	08/26/2006
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/26/2006
EPA 8151	A	Dicamba	NELAP	PA	08/26/2006
EPA 8151	A	Dichloroprop (Dichlorprop)	NELAP	PA	08/26/2006
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8151	A	MCPA	NELAP	PA	08/26/2006
EPA 8151	A	MCPP (Mecoprop)	NELAP	PA	08/26/2006
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	01/06/2006

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Acetonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromoform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	04/08/2009
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl acrylate	NELAP	PA	12/05/2007
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	04/18/2006

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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Naphthalene	NELAP	PA	12/22/2020
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Styrene	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	03/30/2006
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	m-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	08/26/2006
EPA 8270	C, D	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dinitrobenzene (1,2-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007

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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chlorophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	08/26/2006

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	10/27/2010
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acrylamide	NELAP	PA	11/21/2018
EPA 8270	C, D, E	Aniline	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aramite	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluorene	NELAP	PA	08/26/2006

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Indene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Naphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	08/26/2006

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/08/2009
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/08/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	10/25/2018
EPA 9034		Sulfide	NELAP	PA	10/25/2018
EPA 9040	B	pH	NELAP	PA	04/18/2006
EPA 9040	C	pH	NELAP	PA	08/26/2006
EPA 9050	A	Conductivity	NELAP	PA	03/16/2009
EPA 9056	A	Anions by IC	NELAP	PA	03/16/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	08/26/2006
EPA 9056	A	Fluoride	NELAP	PA	08/26/2006
EPA 9056	A	Nitrate as N	NELAP	PA	08/26/2006
EPA 9056	A	Nitrite as N	NELAP	PA	08/26/2006
EPA 9056	A	Orthophosphate as P	NELAP	PA	08/26/2006
EPA 9056	A	Sulfate	NELAP	PA	08/26/2006
EPA 9060	A	Total organic carbon (TOC)	NELAP	PA	04/22/2010
EPA 9065		Total phenolics	NELAP	PA	04/08/2008
EPA 9070	A	Non-polar material	NELAP	PA	12/30/2019
EPA 9070	A	Oil and grease	NELAP	PA	04/04/2007
OIA 1677-09		Available cyanide	NELAP	PA	08/24/2005
OIA 1677-09		Free cyanide	NELAP	PA	04/19/2018
SM 2120 B		Color	NELAP	PA	04/10/2007
SM 2310 B		Acidity as CaCO3	NELAP	PA	11/21/2018
SM 2320 B		Alkalinity as CaCO3	NELAP	PA	01/22/2007
SM 2340 C		Total hardness as CaCO3	NELAP	PA	01/22/2007
SM 2510 B		Conductivity	NELAP	PA	04/21/2010
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/10/2007
SM 2540 C		Residue, filterable (TDS)	NELAP	PA	10/13/2010
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	PA	04/10/2007
SM 2540 E		Fixed suspended solids	NELAP	PA	04/13/2009
SM 2540 E		Residue, volatile	NELAP	PA	02/03/2016
SM 2540 E		Volatile suspended solids	NELAP	PA	04/13/2009
SM 2540 F		Residue, settleable	NELAP	PA	04/10/2007
SM 2580 B		Oxidation-reduction potential	NELAP	PA	05/04/2009
SM 3500-Cr B	20-22	Chromium VI	NELAP	PA	08/24/2005

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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
SM 4500-CN- C/E		Cyanide	NELAP	PA	12/14/2012
SM 4500-Cl G		Total residual chlorine	NELAP	PA	04/08/2008
SM 4500-H+ B		pH	NELAP	PA	04/10/2007
SM 4500-Norg D		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
SM 4500-O G		Oxygen (dissolved)	NELAP	PA	03/16/2009
SM 4500-S2- F		Sulfide	NELAP	PA	10/25/2018
SM 5210 B		Biochemical oxygen demand (BOD)	NELAP	PA	06/24/2008
SM 5210 B		Carbonaceous BOD (CBOD)	NELAP	PA	08/26/2006
SM 5310 C		Dissolved organic carbon (DOC)	NELAP	PA	07/12/2010
SM 5310 C		Total organic carbon (TOC)	NELAP	PA	07/12/2010
SM 5540 C		Surfactants as MBAS	NELAP	PA	10/24/2012

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D3987-85		Shake extraction of solid waste with water	NELAP	PA	12/05/2007
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	04/09/2009
EPA 1020	B	Ignitability	NELAP	PA	04/09/2009
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	04/07/2005
EPA 1312		Synthetic precipitation leaching procedure (SPLP)	NELAP	PA	04/18/2006
EPA 300.0	2.1	Bromide	NELAP	PA	04/20/2011
EPA 300.0	2.1	Chloride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Fluoride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/20/2011
EPA 300.0	2.1	Sulfate	NELAP	PA	04/20/2011
EPA 3005	A	Preconcentration under acid	NELAP	PA	04/07/2005
EPA 3010	A	Hot plate acid digestion (HNO3 + HCl)	NELAP	PA	04/07/2005
EPA 3050	B	Acid digestion of solids	NELAP	PA	04/07/2005
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	04/07/2005
EPA 350.1	2.0	Ammonia as N	NELAP	PA	08/26/2006
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 353.2		Total nitrate-nitrite	NELAP	PA	04/20/2011
EPA 3541		Automated soxhlet extraction	NELAP	PA	04/07/2005
EPA 3580	A	Waste dilution	NELAP	PA	04/07/2005
EPA 3585		Waste dilution for VOCs	NELAP	PA	04/07/2005

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(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 3620	B	Florisil cleanup	NELAP	PA	04/18/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	04/09/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	04/18/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	04/18/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	04/18/2006
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	08/26/2006
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5035	A	Closed-system purge-and-trap (freezing option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (methanol option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (unpreserved)	NELAP	PA	06/15/2012
EPA 5035		Closed-system purge-and-trap (bisulfate option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (methanol option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (unpreserved)	NELAP	PA	08/24/2005
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	04/09/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/24/2005
EPA 6010	B, C, D	Antimony	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Arsenic	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Barium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Beryllium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Boron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cadmium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Calcium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Chromium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cobalt	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Copper	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Iron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lead	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lithium	NELAP	PA	04/22/2010
EPA 6010	B, C, D	Magnesium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Manganese	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Molybdenum	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Nickel	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Potassium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Selenium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silica, as SiO2	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Sodium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Strontium	NELAP	PA	04/07/2005

Annmarie Beach

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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6010	B, C, D	Thallium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Tin	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Titanium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Vanadium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Zinc	NELAP	PA	04/07/2005
EPA 6020	A	Metals by ICP/MS	NELAP	PA	04/09/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	04/07/2005
EPA 6020	A, B	Antimony	NELAP	PA	04/07/2005
EPA 6020	A, B	Arsenic	NELAP	PA	04/07/2005
EPA 6020	A, B	Barium	NELAP	PA	04/07/2005
EPA 6020	A, B	Beryllium	NELAP	PA	04/07/2005
EPA 6020	A, B	Boron	NELAP	PA	08/24/2005
EPA 6020	A, B	Cadmium	NELAP	PA	04/07/2005
EPA 6020	A, B	Calcium	NELAP	PA	08/24/2005
EPA 6020	A, B	Chromium	NELAP	PA	04/07/2005
EPA 6020	A, B	Cobalt	NELAP	PA	04/07/2005
EPA 6020	A, B	Copper	NELAP	PA	04/07/2005
EPA 6020	A, B	Iron	NELAP	PA	08/24/2005
EPA 6020	A, B	Lead	NELAP	PA	04/07/2005
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/24/2005
EPA 6020	A, B	Manganese	NELAP	PA	04/07/2005
EPA 6020	A, B	Molybdenum	NELAP	PA	04/07/2005
EPA 6020	A, B	Nickel	NELAP	PA	04/07/2005
EPA 6020	A, B	Potassium	NELAP	PA	08/24/2005
EPA 6020	A, B	Selenium	NELAP	PA	04/07/2005
EPA 6020	A, B	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	04/07/2005
EPA 6020	A, B	Sodium	NELAP	PA	08/24/2005
EPA 6020	A, B	Strontium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thallium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/24/2005
EPA 6020	A, B	Titanium	NELAP	PA	08/24/2005
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	04/07/2005
EPA 6020	A, B	Zinc	NELAP	PA	04/07/2005
EPA 7196	A	Chromium VI	NELAP	PA	04/07/2005
EPA 7470	A	Mercury	NELAP	PA	08/26/2006

Annmarie Beach

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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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 7471	A	Mercury	NELAP	PA	04/07/2005
EPA 7471	B	Mercury	NELAP	PA	04/09/2009
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDE	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDT	NELAP	PA	04/07/2005
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 8081	A, B	Chlorbenside	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dialfate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan I	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan II	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin ketone	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/12/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/24/2005
EPA 8081	A, B	Methoxychlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Mirex	NELAP	PA	08/24/2005
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/09/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/09/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	12/30/2019
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1016 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1221 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1232 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1242 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1248 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1254 (in oil)	NELAP	PA	10/19/2016

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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1260 (In oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/09/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/24/2005
EPA 8141	A, B	Coumaphos	NELAP	PA	08/24/2005
EPA 8141	A, B	Demeton	NELAP	PA	04/09/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	04/07/2005
EPA 8141	A, B	Demeton-S	NELAP	PA	04/07/2005
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	04/07/2005
EPA 8141	A, B	Dichlorovos (DDVP, Dichlorvos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Dimethoate	NELAP	PA	08/24/2005
EPA 8141	A, B	Disulfoton	NELAP	PA	04/07/2005
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Famphur	NELAP	PA	08/24/2005
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/24/2005
EPA 8141	A, B	Fenthion	NELAP	PA	08/24/2005
EPA 8141	A, B	Malathion	NELAP	PA	04/07/2005
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	04/07/2005
EPA 8141	A, B	Mevinphos	NELAP	PA	08/24/2005
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	04/18/2006
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ronnel	NELAP	PA	04/18/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinophos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	04/18/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	04/07/2005
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	04/07/2005
EPA 8151	A	2,4-D	NELAP	PA	04/07/2005
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	04/07/2005
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/24/2005
EPA 8151	A	Dicamba	NELAP	PA	04/07/2005

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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: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	Dichloroprop (Dichlorprop)	NELAP	PA	04/07/2005
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	12/30/2019
EPA 8151	A	MCPA	NELAP	PA	04/07/2005
EPA 8151	A	MCPP (Mecoprop)	NELAP	PA	04/07/2005
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	08/24/2005
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	04/07/2005

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(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	Acetonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromoform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	12/30/2019
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Naphthalene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Styrene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	04/07/2005
EPA 8270	C	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	D	SOCs by GC/MS	NELAP	PA	04/09/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	1-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006

Annmarie Beach

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	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	10/13/2010
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chlorophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006

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Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Aramite	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Fluorene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	04/07/2005

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Indene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Naphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/09/2009

Annmarie Beach

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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
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/09/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9013	A	Cyanide extraction for solids and oils	NELAP	PA	04/22/2010
EPA 9013		Cyanide extraction for solids and oils	NELAP	PA	12/05/2007
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	04/07/2005
EPA 9034		Sulfide	NELAP	PA	04/07/2005
EPA 9040	B	pH	NELAP	PA	04/07/2005
EPA 9040	C	pH	NELAP	PA	04/09/2009
EPA 9045	C	pH	NELAP	PA	04/07/2005
EPA 9045	D	pH	NELAP	PA	04/09/2009
EPA 9056	A	Anions by IC	NELAP	PA	04/09/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	04/07/2005
EPA 9056	A	Fluoride	NELAP	PA	04/07/2005
EPA 9056	A	Nitrate as N	NELAP	PA	04/07/2005
EPA 9056	A	Nitrite as N	NELAP	PA	04/07/2005
EPA 9056	A	Orthophosphate as P	NELAP	PA	01/26/2009
EPA 9056	A	Sulfate	NELAP	PA	04/07/2005
EPA 9065		Total phenolics	NELAP	PA	12/05/2007
EPA 9071	B	Oil and grease	NELAP	PA	04/09/2009
EPA 9095	B	Paint filter liquids test	NELAP	PA	04/09/2009
EPA Lloyd Kahn Method		Total organic carbon (TOC)	NELAP	PA	09/27/2007
OIA 1677-09		Available cyanide	NELAP	PA	04/18/2006
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/08/2008
SM 2540 G		Percent moisture in soil	NELAP	PA	04/13/2009
SM 2540 G		Residue, total	NELAP	PA	12/05/2007
SM 2540 G		Total, fixed, and volatile residue	NELAP	PA	05/31/2018
SOP (00416) OP-011		Percent lipids	NELAP	PA	04/13/2009
SOP (00416) WC-033		Water leach	NELAP	PA	09/05/2012
Walkley Black		Total organic carbon (TOC)	NELAP	PA	04/08/2008

Annmarie Beach

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pennsylvania
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 of June 29, 2002 (P.L 596, No 90) (27 Pa C.S. §§ 4101 – 4113) and The Environmental Laboratory Accreditation Regulations of 25 Pa. Code Chapter 252 you are responsible for continual compliance with the accreditation Act and regulations promulgated thereunder. Failure to comply with all applicable Federal and Departmental laws and regulations may result in suspension or revocation of your laboratory's accreditation.

Your DEP laboratory identification number is **02-00416**. Please use this number on all correspondence with the PA Department of Environmental Protection (Department).

Your laboratory is accredited to perform only the analyses by the methods listed on the Scope of Accreditation that accompanies the Certificate of Accreditation. The Certificate of Accreditation remains the property of the Department and must be displayed in the laboratory.

Please note this certification must be renewed annually. Renewal applications must be submitted to the Department *no later than 60 days prior to the expiration of the certification*. Failure to submit a renewal application within this time period may result in a lapse of the laboratory's accreditation. Should this occur, the laboratory may not conduct any further analyses for which accreditation is required and, if the laboratory is accredited to perform analyses on drinking water, the laboratory must notify the public water suppliers served by the laboratory of the laboratory's failure to renew its certificate of accreditation. Copies of the renewal application may be found on the Department's web site (www.depweb.state.pa.us/labs).

If you have any questions concerning your certificate, you may contact your laboratory's accreditation officer Virginia Hunsberger at 717-346-8211 or vhunsberge@pa.gov.

Sincerely,

Annmarie Beach

Annmarie Beach, Chief
Laboratory Accreditation Program

Enclosures

APPENDIX B

Data Validation Summaries

Quality Control Review of Analytical Data- Plant Scherer Ash Pond 1 (AP-1)
Submitted by Eurofins TestAmerica
February 2022

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 8, 2022 and February 14, 2022. 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. Additional analysis included cations and anions (manganese, potassium, magnesium, sodium), alkalinity (total, carbonate and bicarbonate), sulfide, ferrous and ferric iron. 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), Radium-228 (USEPA Method 9320), Alkalinity by Titration through Standard Method 2320B (SM2320B), Sulfide (Standard Methods 4500), Ferrous and Ferric iron (Standard Methods 3500).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program (CLP) Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0), US EPA Region IV Data Validation Standard Operating Procedures for CLP Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2.0), the National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020), and US Department of Energy, Evaluation of Radiochemical Data Usability (April 1997). The review included an assessment of the results for completeness, precision (field and laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and 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 sodium, chromium and sulfate, as described in the qualification section below.

Accuracy: Laboratory goals for accuracy were met with the exception of sulfate and chloride, 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.

Holding Times: All holding time requirements were met in accordance with specific analytical methods with the exception of ferrous iron, ferric iron, and total dissolved solids (TDS) as described in the qualification section below.

Completeness: Several non-detect ferrous and ferric iron results were rejected during this event due to exceedances of the analytical holding time.

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.

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) 180-133602-1, 180-133602-2, 180-133600-1, 180-133600-2 and 180-133608-1, qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- Sulfate and chloride results in sample SGWC-8, from SDG 180-133602-1, were qualified as estimated, biased low (J-) when the associated MS and/or MSD recovered below laboratory criteria.
- Certain sodium, chromium and sulfate results, from SDGs 180-133602-1 and 180-133600-1, exceeded the relative percent difference (RPD) between the parent and duplicate sample. Detected and non-detected results were qualified as estimated (J or UJ).
- Certain sulfide, fluoride, and ferrous iron results from SDGs 180-133602-1 and 180-133600-1, 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 as the new results. If the original sample results were greater than the RL, the original results were reported as the new RL and were U qualified.
- Results for total ferrous iron from SDG 180-133602-1, were analyzed outside of the analytical method holding time of 24 hours. Detected results were qualified as estimated (J) and non-detects as rejected (R). Since ferric iron is a calculation based on the subtraction of total iron from ferrous iron, ferric iron results were also qualified as J, R, and non-detected estimated results (UJ).
- The TDS result for sample SGWA-5 from SDG 180-133602-1 was analyzed outside of the analytical method holding time and was qualified as estimated (J) value.

Golder reviewed the data from samples collected at Plant Scherer CCR AP-1 between February 8, 2022 and February 14, 2022 in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, with the exception of several non-detected ferrous and ferric iron results, the data reviewed during this event are considered usable for meeting project objectives and the results are considered valid.

REFERENCE

Paar J.G. and Porterfield D.R., April 1997, US Department of Energy, Evaluation of Radiochemical Data Usability.

US EPA, November 2020, National Functional Guidelines for Inorganic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation. OLEM 9240.0-51 [EPA 540-R-20-005]. Washington. DC, November 2020.

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)**	**Alkalinity (SM 2320B)**	**Sulfide (EPA 9034)**	**Iron (SM 3500FE D)**	**Radium-226/ 228 (EPA 9315 & 9320)**
180-133602-1/180-133602-2	SGWA-1	2/9/2022	180-133602-1	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-2	2/9/2022	180-133602-2	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-3	2/9/2022	180-133602-3	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-4	2/9/2022	180-133602-4	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-5	2/9/2022	180-133602-5	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-6	2/9/2022	180-133602-6	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-7	2/9/2022	180-133602-7	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	FB-2	2/9/2022	180-133602-8	WQ	FB (SGWA-3)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	EB-2	2/9/2022	180-133602-9	WQ	EB (SGWA-5)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-25	2/9/2022	180-133602-10	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	DUP-2	2/9/2022	180-133602-11	GW	FD (SGWC-7)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-8	2/10/2022	180-133638-1	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-9	2/10/2022	180-133638-2	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-11	2/10/2022	180-133638-3	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-12	2/10/2022	180-133638-4	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-16	2/10/2022	180-133638-5	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-18	2/10/2022	180-133638-6	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-22	2/10/2022	180-133638-7	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-23	2/10/2022	180-133638-8	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWA-24	2/10/2022	180-133638-9	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	EB-3	2/10/2022	180-133638-10	WQ	EB (SGWC-12)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	FB-3	2/10/2022	180-133638-11	WQ	FB (SGWA-24)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	DUP-3	2/10/2022	180-133638-12	GW	FD (SGWC-18)	-	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-10	2/11/2022	180-133644-1	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-17	2/11/2022	180-133644-2	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-21	2/11/2022	180-133644-3	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-20	2/11/2022	180-133644-4	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-15	2/11/2022	180-133644-5	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-13	2/11/2022	180-133644-6	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-19	2/11/2022	180-133644-7	GW	-	X	X	X	X	X	X	X	X	X
180-133602-1/180-133602-2	SGWC-14	2/14/2022	180-133781-1	GW	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-13S	2/8/2022	180-133600-1	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-14S	2/8/2022	180-133600-2	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-17I	2/9/2022	180-133600-3	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-39S	2/9/2022	180-133600-4	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-41S	2/9/2022	180-133600-5	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-42I	2/9/2022	180-133600-6	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-43S	2/9/2022	180-133600-7	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-44I	2/9/2022	180-133600-8	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	FB-1	2/9/2022	180-133600-9	WQ	FB (PZ-17I)	-	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	EB-1	2/9/2022	180-133600-10	WQ	EB (PZ-44I)	-	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	DUP-1	2/9/2022	180-133600-11	WG	FD (PZ-41S)	-	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-40I	2/10/2022	180-133641-1	WG	-	X	X	X	X	X	X	X	X	X
180-133600-1/180-133600-2	PZ-69I	2/10/2022	180-133641-2	WG	-	X	X	X	X	X	X	X	X	X
180-133608-1	PZ-25S	2/8/2022	180-133608-1	WG	-	X	X	-	-	-	-	-	-	-
180-133608-1	PZ-25I	2/8/2022	180-133608-2	WG	-	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
180-133602-1	SWGA-1, SWGA-2, SWGA-3, SWGA-4, SWGA-5, SGWA-25, SGWC-6, SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-23, SGWA-24, DUP-2, and DUP-3	Ferrous Iron	-	-	R	Analyzed outside of holding time.
180-133602-1	SGWC-11, SGWC-12, SGWC-13, and SGWC-22	Ferrous Iron	-	-	J	Analyzed outside of holding time.
180-133602-1	SWGA-1, SWGA-2, SWGA-3, SWGA-4, SWGA-5, SGWA-25, SGWC-6, SGWC-8, SGWC-10, SGWC-20, and SGWC-23	Ferric Iron	-	-	R	Analyzed outside of holding time.
180-133602-1	SGWC-7, SGWC-9, SGWC-12, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19 SGWC-21, SGWC-22, SGWA-24, DUP-2, and DUP-3	Ferric Iron	-	-	J	Analyzed outside of holding time.
180-133602-1	SGWC-11 and SGWC-13	Ferric Iron	-	-	UJ	Analyzed outside of holding time.
180-133602-1	SGWC-8	Sulfide	3.0	-	U	Method blank contamination
180-133602-1	SGWA-5	Sulfide	-	3.3	U	Equipment blank contamination
180-133602-1	SGWA-3	Fluoride	0.10	-	U	Field blank contamination
180-133602-1	SGWC-7 and DUP-2	Sodium	-	-	J	Field duplicate RPD exceedance
180-133602-1	SGWC-18 and DUP-3	Chromium	-	-	J	Field duplicate RPD exceedance
180-133602-1	SGWC-8	Sulfate	-	-	J-	MSD recovered below QC limits
180-133602-1	SGWC-8	Chloride	-	-	J-	MSD recovered below QC limits
180-133602-1	SGWA-5	TDS	-	-	J	Analyzed outside of holding time.
180-133600-1	PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-41S, PZ-43S, DUP-1	Ferrous iron	-	-	UJ	Analyzed outside of holding time.
180-133600-1	PZ-40I, PZ-42I, PZ-69I	Ferrous iron	-	-	J	Analyzed outside of holding time.
180-133600-1	PZ-44I	Ferrous iron	-	0.28	U	Equipment blank contamination. Analyzed outside of holding time,
180-133600-1	PZ-69I	Sulfide	3.0	-	U	Method blank contamination
180-133600-1	PZ-41S	Sulfate	-	-	J	Field duplicate RPD exceedance
180-133600-1	DUP-1	Sulfate	-	-	UJ	Field duplicate RPD exceedance

Abbreviations:
RL : Reporting limit
MDC : Minimum detectable concentration
SDG : Sample delivery group
MS/MSD : Matrix Spike/Matrix Spike Duplicate
RPD: Relative percent difference
QC: Quality control

Qualifiers:
J: estimated
U: Non-detected
J-: estimated, low bias
UJ:Nom-detect, estimated
R: Non-detect, rejected result

APPENDIX C

Well Condition Assessment Forms – February 2022

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-1

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-2

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-3

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-4

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-5

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-6

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-7

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-8

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-9

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-10

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-11

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-12

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-13

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-14

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-15

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-16

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-17

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-18

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-19

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-20

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-21

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-22

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWC-23

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-24

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: SGWA-25

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?		X	
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date: Overgrown landscape affects visibility				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-2i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-3S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-5i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-9i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?		X	
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date: Overgrown landscape affects visibility				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-10S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-11S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-12S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-13S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-14i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-14S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-15S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-17i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-19i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-19S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-20i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-21S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-25i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-25S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-26S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-27D

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-27S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-28i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-29S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-30i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-31i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-32D

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?		X	
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date: Overgrown landscape affects visibility				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-32S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?		X	
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date: Overgrown landscape affects visibility				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-33i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-34S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-35i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-36i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-36S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-37i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-38i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-39S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-40i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-41S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-42i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-43S

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-44i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

Groundwater Monitoring Well Integrity Form

Site Name: Plant Scherer

Permit Number:

Well ID: PZ-69i

Date: 2/8/22

		Yes	No	N/A
1) Location/Identification				
A	Is the well visible and accessible?	X		
B	Is the well properly identified with correct well ID?	X		
C	Is the well in a high traffic area and does the well require protection from traffic?		X	
D	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2) Protective Casing				
A	Is the protective casing free from apparent damage and able to be secured?	X		
B	Is the casing free of degradation or deterioration?	X		
C	Does the casing have a functioning weep hole?	X		
D	Is the annular space between the casings clear of debris and water, or filled with pea gravel/sand?	X		
E	Is the well locked and is the lock in good condition?	X		
3) Surface Pad				
A	Is the well pad in good condition (not cracked/broken)?	X		
B	Is the well pad sloped away from the protective casing?	X		
C	Is the well pad in complete contact with the ground surface and stable?	X		
D	Is the well pad in complete contact with the protective casing?	X		
E	Is the pad surface clean (not covered with sediment or debris)?	X		
4) Internal Casing				
A	Does the cap prevent entry of foreign material inot the well?	X		
B	Is the casing free of kinks/bends, or any obstructions from foreign objects (such as bailers)?	X		
C	Is the well properly vented for equilibration of air pressure?	X		
D	Is the survey point clearly marked on the inner casing?	X		
E	Is the depth of the well consistent with the original well log?	X		
F	Is the casing stable? (Does PVC move easily when touched or can be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5) Sampling: Groundwater Wells Only				
A	Does water recharge adequately when purged?	X		
B	If dedicated sampling equipment installed, is it in good condition and specified in the arppove groundwater monitoring plan for the facility?	X		
C	Does the well require redevelopment (low flow/turbidity)?		X	
6) Based on professional judgement, is the well construction / location appropriate to **1)** achieve the objectives of the Groundwater Monitoring Program and **2)** comply with the applicable regulatory requirements?		X		
7) Corrective actions as needed, by date:				
Signature and Seal of PE/PG responsible for inspection				

APPENDIX D

PZ-15S Well Modification Report

August 31, 2022

Joju Abraham
Southern Company Services
241 Ralph McGill Blvd NE
Atlanta, GA 30308
jabraham@southernco.com

GEORGIA POWER COMPANY PLANT SCHERER ASH POND 1
PZ-15S WELL MODIFICATION REPORT

Dear Joju,

On behalf of Georgia Power Company (Georgia Power) and Southern Company Services Inc. (SCS), Golder Associates USA, Inc., a member of WSP (Golder), has prepared this report to provide documentation of piezometer modifications performed at the Plant Scherer Ash Pond 1. Piezometer modifications were performed by Southern Company Services, Inc (SCS) personnel, under the oversight and direction of Duane Fulton, a Georgia Registered Professional Geologist (PG).

Based on information provided by Georgia Power, the location of piezometer PZ-15S potentially conflicted with the future expansion of the North Access Route. Upon further review by Georgia Power team on June 15, 2022, the existing piezometer could remain in place; however, to minimize the potential for the piezometer to sustain damage, it was recommended to convert it from an above-grade with stick-up to a flush-mounted piezometer.

Piezometer PZ-15S modifications were performed on July 6, 2022. The well modifications included the removal of the existing bollards, concrete pad, portions of the polyvinyl chloride (PVC) well casing above ground surface and steel protective casing. Following removal of these items, a 2-foot by 2-foot by 6-inch concrete, rebar enforced pad was installed with an 8-inch diameter flush mount manhole with bolt down lid. Additionally, two 6-foot bollards were installed adjacent to the well pad, parallel to the vehicle traffic on the access route. Matt Smith, with SCS construction, inspected the well upgrade and determined the modifications would not impede the expansion of the access route.

A survey of the new well was conducted on August 17, 2022 of the new flush mount modifications to PZ-15S by Jordan Engineering. The survey report is attached along with updated boring log information which includes the new ground control point elevation [497.55 feet North American Vertical Datum (NAVD)], top of casing elevation (497.32 ft NAVD) and geographic coordinates (N 1121487.20 E 2405558.60). The certified survey report is attached.

We appreciate the opportunity to assist SCS and GPC with this project. Should you have any questions or require additional information, please contact the undersigned.

Sincerely

Golder Associates USA Inc.

Dawn L. Prell
Senior Hydrogeologist

Rachel P. Kirkman, PG
Director, Geologist

DLP/RPK/kld

CC: Ben Hodges, Georgia Power Company

Attachments: Photographic Log, Surveyors Report, Boring Log

Attachments

Southern Company CFS

Plant Scherer July 2022 Well O&M (July 6th)

AP – PZ-15s: Removed 4x4’ stickup pad and 4 bollards, replaced with 2x2’ flush mount with 2 bollards.

Southern Company

Plant Scherer

New well PZ-15S

 Issued 8/22/22

OBSERVED WELL ID	WELL ID FROM RECORD DATA	PVC CASING LATITUDE		PVC CASING LONGITUDE		CONTROL NAIL NORTHING	CONTROL NAIL EASTING	CONTROL NAIL ELEVATION	PVC CASING NORTHING	PVC CASING EASTING	TOP OF PVC CASING ELEV.	GROUND ELEVATION	COMMENTS
			°		°								
PZ-15S	same	33.08271228	°	-83.81087344	°	1121485.86	2405558.82	497.55	1121487.20	2405558.60	497.32	497.3	

I certify that top of casing and PK nail elevations reflect a relative vertical accuracy of 0.01 feet referencing NAVD88 and were collected using a Topcon DL-502 digital level with closures meeting First Order, Class I level classification. Horizontal positions of casings and PK nails reflect accuracies of 0.50 feet or better and were collected using a JAVAD Triumph-LS+ dual-frequency RTK global positioning system receiver with eGPS VRS corrections referencing the Georgia State Plane, west zone, NAD83(2011) coordinate system in US survey feet.
This data was issued on 8/22/22.

SOUTHERN COMPANY

RECORD OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Piezometer Installation

LOCATION Plant Scherer

*7/6/2022-modified

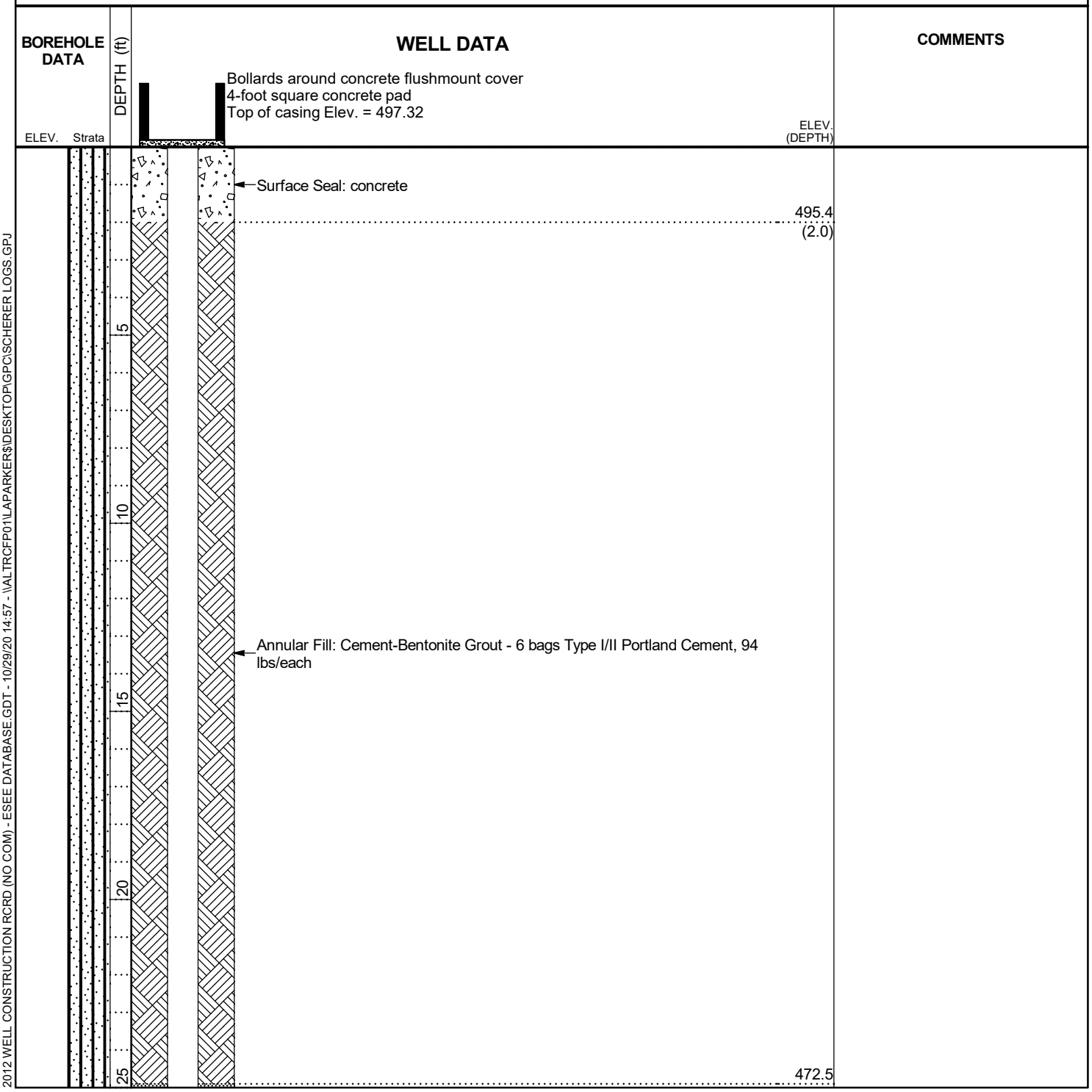
DATE STARTED 4/28/2015 **COMPLETED** 4/28/2015 **GROUND ELEVATION** 497.55 ft **COORDINATES** N 1121487.20 2405558.60

CONTRACTOR Civil Field Services **METHOD** Hollow Stem Auger **EQUIPMENT** CME550

DRILLED BY T. Milam **LOGGED BY** S. Baxter **CHECKED BY** L. Millet **BORING DEPTH** 40.1 ft.

GROUND WATER DEPTH: DURING 23.5 ft. **COMP.** 19.6 ft. **DELAYED** 19.6 ft. after 24 hrs.

NOTES Surface finishings converted to flushmount protective cover on 07/06/2022 by P. Henry and S. Timothy (SCS) with oversight by D. Fulton (WSP)



(Continued Next Page)

2012 WELL CONSTRUCTION RCRD (NO COM) - ESEE DATABASE.GDT - 10/29/20 14:57 - \\ALTRCFP01\LAPARKER$\DESKTOP\GPC\SCHERER LOGS.GPJ

SOUTHERN COMPANY

RECORD OF WELL CONSTRUCTION

WELL: PZ-15S
PAGE 2 OF 2
ECS38467

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Piezometer Installation

LOCATION Plant Scherer

BOREHOLE DATA

ELEV. Strata

DEPTH (ft)

WELL DATA

Bollards around concrete flushmount cover
4-foot square concrete pad
Top of casing Elev. = 497.32

(CONTINUED)

ELEV. (DEPTH)

(24.9)

Annular Seal: bentonite pellets - 1 Bucket Pel Plug 3/8" coated pellets, 50 lbs/each

470.1
(27.3)

Filter: Unimin FilterSil - 6 Bags #1A, 50 lbs/each

467.7
(29.7)

Well: 2" OD PVC (SCH 40)
Screen: 10 ft. pre-pack

457.7

457.3

Sump:0.40 ft.

COMMENTS

2012 WELL CONSTRUCTION RCRD (NO COM) - ESEE DATABASE.GDT - 10/29/20 14:57 - \\ALTRCFP01\LAPARKER$\DESKTOP\GPC\SCHERER LOGS.GPJ

APPENDIX E

Statistical Analyses

GROUNDWATER STATS CONSULTING

August 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 – February 2022 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2022 Semi-Annual Groundwater Detection and Assessment Monitoring of groundwater data for Georgia Power Company's Plant Scherer AP. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** SGWA-1, SGWA-2, SGWA-3, SGWA-4, SGWA-5, SGWA-24, and SGWA-25
- **Downgradient wells:** SGWC-6, SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, and SGWC-23

- **Assessment Wells:** PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, PZ-44I, and PZ-69I

The assessment wells were first sampled in October 2018 and all data are included on the time series graphs and box plots. These well/constituent pairs are formally evaluated for Appendix IV constituents using confidence intervals when a minimum of 4 samples are available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager 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 – February 2022

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 February 2022 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2022 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When 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-17, SGWC-19, SGWC-21, and SGWC-22
- Chloride: SGWC-9, SGWC-12, SGWC-13, SGWC-16, 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-23
- Chloride: SGWA-3 (upgradient) and SGWC-7
- Sulfate: SGWC-7 and SGWC-23

Statistical Analysis of Appendix IV Parameters – February 2022

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 February 2022 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). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)

- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in downgradient and delineation wells with 4 or more samples.

The Sanitas software was used to calculate the tolerance limits and the confidence intervals, either parametric or nonparametric, as appropriate. Confidence intervals were compared to the GWPS prepared as described above (Figure H). Note that for cobalt at assessment well PZ-43S, 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 Figure H. 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.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence interval results, along with graphical comparison against GWPS follow this letter. Exceedances were noted for the following well/constituent pairs:

- Cobalt: SGWC-10, SGWC-11, SGWC-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 I). 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

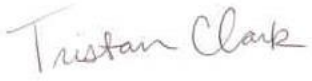
Decreasing

- 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 T. Collins
Project Manager



Tristan Clark
Groundwater Analyst

Kristina L. Rayner
Senior Statistician

100% Non-Detects: Appendix IV Downgradient & Delineation

Analysis Run 4/28/2022 6:06 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, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-13S, PZ-44I, PZ-40I, PZ-42I

Arsenic (mg/L)
PZ-41S, PZ-43S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I, PZ-42I

Beryllium (mg/L)
SGWC-11, SGWC-12, SGWC-13, SGWC-16, SGWC-21, SGWC-23, SGWC-7, SGWC-9, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I, PZ-42I

Cadmium (mg/L)
SGWC-10, SGWC-12, SGWC-13, SGWC-16, SGWC-17, SGWC-22, SGWC-23, SGWC-7, SGWC-9, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I, PZ-42I

Chromium (mg/L)
SGWC-10, SGWC-11, SGWC-6, SGWC-9, PZ-43S, PZ-40I, PZ-42I

Cobalt (mg/L)
PZ-17I

Fluoride, total (mg/L)
PZ-41S, PZ-14S, PZ-13S, PZ-44I, PZ-40I

Lead (mg/L)
SGWC-11, SGWC-9, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I, PZ-42I

Lithium (mg/L)
SGWC-10, SGWC-9

Mercury (mg/L)
SGWC-19, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-17I, PZ-40I, PZ-42I

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, PZ-41S, PZ-43S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I

Selenium (mg/L)
SGWC-10, SGWC-21, SGWC-22, SGWC-8, SGWC-9, PZ-43S, PZ-14S, PZ-13S

Thallium (mg/L)
SGWC-16, SGWC-19, SGWC-21, PZ-41S, PZ-43S, PZ-39S, PZ-14S, PZ-13S, PZ-44I, PZ-17I, PZ-40I, PZ-42I

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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	2/10/2022	0.53	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	2/11/2022	0.48	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	2/14/2022	1.5	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	2/11/2022	1.2	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	2/10/2022	0.63	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	2/11/2022	0.27	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	2/10/2022	6.4	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	2/11/2022	1.7	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	2/11/2022	1.5	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	2/11/2022	1	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	2/10/2022	0.54	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	2/10/2022	0.45	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	2/10/2022	0.16	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	2/10/2022	1.3	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	2/10/2022	23	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	2/14/2022	41	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	2/11/2022	58	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	2/10/2022	55	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	2/11/2022	46	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	2/11/2022	36	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	2/10/2022	27	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	2/10/2022	23	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	2/10/2022	53	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	2/10/2022	37	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.025	n/a	2/11/2022	11	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.025	n/a	2/10/2022	8.8	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.025	n/a	2/10/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.025	n/a	2/11/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.025	n/a	2/14/2022	14	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.025	n/a	2/11/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.025	n/a	2/10/2022	9.8	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.025	n/a	2/11/2022	8.4	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.025	n/a	2/10/2022	19	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.025	n/a	2/11/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.025	n/a	2/11/2022	9.6	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.025	n/a	2/11/2022	11	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.025	n/a	2/10/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.025	n/a	2/10/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.025	n/a	2/9/2022	4	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.025	n/a	2/10/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.025	n/a	2/10/2022	15	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.16	n/a	2/9/2022	0.19	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.16	n/a	2/9/2022	0.27	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.16	n/a	2/10/2022	0.44	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	7.01	5.09	2/11/2022	4.59	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	7.01	5.09	2/10/2022	4.86	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	7.01	5.09	2/11/2022	4.27	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	2/10/2022	41	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	2/11/2022	94	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	2/14/2022	220	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	2/11/2022	200	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	2/10/2022	45	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	2/11/2022	190	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	2/10/2022	890	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	2/11/2022	260	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	2/11/2022	230	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	2/11/2022	120	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	2/10/2022	100	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	2/10/2022	73	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	2/9/2022	7.1	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	2/10/2022	80	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	2/10/2022	190	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	2/10/2022	210	Yes	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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-14**	**200**	**n/a**	**2/14/2022**	**360**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**2/11/2022**	**310**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**2/10/2022**	**1400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**2/10/2022**	**250**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**2/10/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**2/10/2022**	**400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**2/10/2022**	**410**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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	2/11/2022	0.09	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-11**	**0.13**	**n/a**	**2/10/2022**	**0.53**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-12	0.13	n/a	2/10/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-13**	**0.13**	**n/a**	**2/11/2022**	**0.48**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-14**	**0.13**	**n/a**	**2/14/2022**	**1.5**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-15**	**0.13**	**n/a**	**2/11/2022**	**1.2**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-16**	**0.13**	**n/a**	**2/10/2022**	**0.63**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-17**	**0.13**	**n/a**	**2/11/2022**	**0.27**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-18**	**0.13**	**n/a**	**2/10/2022**	**6.4**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-19**	**0.13**	**n/a**	**2/11/2022**	**1.7**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-20**	**0.13**	**n/a**	**2/11/2022**	**1.5**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-21**	**0.13**	**n/a**	**2/11/2022**	**1**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-22**	**0.13**	**n/a**	**2/10/2022**	**0.54**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-23**	**0.13**	**n/a**	**2/10/2022**	**0.45**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-6	0.13	n/a	2/9/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	2/9/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-8**	**0.13**	**n/a**	**2/10/2022**	**0.16**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-9**	**0.13**	**n/a**	**2/10/2022**	**1.3**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Calcium, total (mg/L)	SGWC-10	19	n/a	2/11/2022	0.55	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	2/10/2022	1.9	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-12**	**19**	**n/a**	**2/10/2022**	**23**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-13	19	n/a	2/11/2022	19	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-14**	**19**	**n/a**	**2/14/2022**	**41**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-15	19	n/a	2/11/2022	16	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	2/10/2022	1.2	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-17**	**19**	**n/a**	**2/11/2022**	**58**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-18**	**19**	**n/a**	**2/10/2022**	**55**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-19**	**19**	**n/a**	**2/11/2022**	**46**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-20	19	n/a	2/11/2022	13	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-21**	**19**	**n/a**	**2/11/2022**	**36**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-22**	**19**	**n/a**	**2/10/2022**	**27**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-23**	**19**	**n/a**	**2/10/2022**	**23**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-6	19	n/a	2/9/2022	11	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	2/9/2022	16	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-8**	**19**	**n/a**	**2/10/2022**	**53**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-9**	**19**	**n/a**	**2/10/2022**	**37**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**SGWC-10**	**3.025**	**n/a**	**2/11/2022**	**11**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-11**	**3.025**	**n/a**	**2/10/2022**	**8.8**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-12**	**3.025**	**n/a**	**2/10/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-13**	**3.025**	**n/a**	**2/11/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-14**	**3.025**	**n/a**	**2/14/2022**	**14**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-15**	**3.025**	**n/a**	**2/11/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-16**	**3.025**	**n/a**	**2/10/2022**	**9.8**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-17**	**3.025**	**n/a**	**2/11/2022**	**8.4**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-18**	**3.025**	**n/a**	**2/10/2022**	**19**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-19**	**3.025**	**n/a**	**2/11/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-20**	**3.025**	**n/a**	**2/11/2022**	**9.6**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-21**	**3.025**	**n/a**	**2/11/2022**	**11**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-22**	**3.025**	**n/a**	**2/10/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-23**	**3.025**	**n/a**	**2/10/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	SGWC-6	3.025	n/a	2/9/2022	2.6	No	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	**SGWC-7**	**3.025**	**n/a**	**2/9/2022**	**4**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-8**	**3.025**	**n/a**	**2/10/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-9**	**3.025**	**n/a**	**2/10/2022**	**15**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	SGWC-10	0.16	n/a	2/11/2022	0.03J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.16	n/a	2/10/2022	0.06J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.16	n/a	2/11/2022	0.045J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.16	n/a	2/14/2022	0.035J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.16	n/a	2/11/2022	0.14	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.16	n/a	2/11/2022	0.064J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.16	n/a	2/10/2022	0.039J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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-19	0.16	n/a	2/11/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.16	n/a	2/11/2022	0.14	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-21	0.16	n/a	2/11/2022	0.092J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.16	n/a	2/10/2022	0.066J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-6**	**0.16**	**n/a**	**2/9/2022**	**0.19**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-7**	**0.16**	**n/a**	**2/9/2022**	**0.27**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-8**	**0.16**	**n/a**	**2/10/2022**	**0.44**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-9	0.16	n/a	2/10/2022	0.098J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	7.01	5.09	2/11/2022	5.13	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	7.01	5.09	2/10/2022	5.11	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	7.01	5.09	2/10/2022	6.19	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	7.01	5.09	2/11/2022	6.02	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	7.01	5.09	2/14/2022	5.77	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-15**	**7.01**	**5.09**	**2/11/2022**	**4.59**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-16	7.01	5.09	2/10/2022	5.21	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	7.01	5.09	2/11/2022	6.39	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-18**	**7.01**	**5.09**	**2/10/2022**	**4.86**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-19	7.01	5.09	2/11/2022	5.65	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-20**	**7.01**	**5.09**	**2/11/2022**	**4.27**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-21	7.01	5.09	2/11/2022	6.31	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	7.01	5.09	2/10/2022	5.78	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	7.01	5.09	2/10/2022	6.13	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	7.01	5.09	2/9/2022	6.33	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	7.01	5.09	2/9/2022	6.77	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	7.01	5.09	2/10/2022	6.47	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	7.01	5.09	2/10/2022	6.25	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	2/11/2022	2.1	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	2/10/2022	1ND	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-12**	**3.75**	**n/a**	**2/10/2022**	**41**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-13**	**3.75**	**n/a**	**2/11/2022**	**94**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-14**	**3.75**	**n/a**	**2/14/2022**	**220**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-15**	**3.75**	**n/a**	**2/11/2022**	**200**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-16**	**3.75**	**n/a**	**2/10/2022**	**45**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-17**	**3.75**	**n/a**	**2/11/2022**	**190**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-18**	**3.75**	**n/a**	**2/10/2022**	**890**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-19**	**3.75**	**n/a**	**2/11/2022**	**260**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-20**	**3.75**	**n/a**	**2/11/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-21**	**3.75**	**n/a**	**2/11/2022**	**120**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-22**	**3.75**	**n/a**	**2/10/2022**	**100**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-23**	**3.75**	**n/a**	**2/10/2022**	**73**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	2/9/2022	0.88J	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-7**	**3.75**	**n/a**	**2/9/2022**	**7.1**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-8**	**3.75**	**n/a**	**2/10/2022**	**80**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-9**	**3.75**	**n/a**	**2/10/2022**	**190**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	2/11/2022	44	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	2/10/2022	39	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-12**	**200**	**n/a**	**2/10/2022**	**210**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	2/11/2022	200	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-14**	**200**	**n/a**	**2/14/2022**	**360**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**2/11/2022**	**310**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	2/10/2022	100	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**2/10/2022**	**1400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**2/10/2022**	**250**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**2/10/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	2/9/2022	130	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	2/9/2022	170	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**2/10/2022**	**400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**2/10/2022**	**410**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWC-11	0.05263	134	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5485	112	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.06213	-81	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.035	-79	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.01258	84	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.3668	85	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5317	91	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.547	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.187	129	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.186	105	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-21	1.673	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.42	101	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.518	-84	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.1998	-79	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1738	71	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	1.083	114	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.2122	70	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	2.047	112	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	0.9202	111	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.5302	-85	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.5	118	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	5.695	104	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	5.768	147	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	13.99	125	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	10.52	83	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.07	103	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	5.481	105	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.23	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-7	-1.534	-73	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.384	81	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	23.69	121	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	8.753	76	68	Yes	18	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-13	-68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	15	68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	9	68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	15	68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	68	No	18	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-11**	**0.05263**	**134**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-13	-0.005543	-34	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.03152	54	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.0288	-39	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.008138	46	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.0108	12	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-18**	**0.5485**	**112**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-19	0	11	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.07721	-51	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-21**	**-0.06213**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-22	0.02031	60	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-23**	**-0.035**	**-79**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**SGWC-8**	**0.01258**	**84**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-9	-0.00758	-27	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.11	-61	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-2 (bg)**	**0.3668**	**85**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWA-24 (bg)**	**0.5317**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-25 (bg)	-0.2813	-57	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	0.1008	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-4 (bg)**	**0.547**	**73**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-5 (bg)	0.04632	52	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	29	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-14	0.6759	59	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-17**	**4.187**	**129**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-18	3.935	31	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-19**	**2.186**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-21**	**1.673**	**70**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-22**	**1.42**	**101**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-23**	**-1.518**	**-84**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-8	0.8013	61	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-1.56	-44	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.02063	-18	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	0	-11	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0.06289	29	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0	3	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWA-3 (bg)**	**-0.1998**	**-79**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWA-4 (bg)	0	2	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	0	0	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	0.05069	15	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0.1046	24	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-12**	**0.1738**	**71**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**SGWC-13**	**1.083**	**114**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-14	0	8	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.1744	60	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-16**	**0.2122**	**70**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-17	0	2	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-18**	**2.047**	**112**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-19	0.02868	14	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	-19	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-21**	**0.9202**	**111**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-22	0	34	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.2425	61	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-7**	**-0.5302**	**-85**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-8	0	-26	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-9**	**1.5**	**118**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	SGWA-1 (bg)	0	-41	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.002664	-60	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.007058	-72	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.002139	-58	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-3 (bg)	0	-5	-92	No	22	68.18	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.003862	-90	-92	No	22	40.91	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-5 (bg)	0	-26	-92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-6	0	-7	-92	No	22	13.64	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.002759	-22	-92	No	22	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.01342	-57	-92	No	22	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.0364	-72	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	0.007248	22	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.01136	53	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.01657	-62	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02593	69	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01681	-61	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0	0	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01445	-35	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02671	79	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005116	-19	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	0	10	68	No	18	27.78	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	33	68	No	18	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	7	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	21	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1358	-60	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1276	-62	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-5 (bg)	0	24	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-12**	**5.695**	**104**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-13	2.056	51	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-8	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	22	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-16**	**5.768**	**147**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-17**	**13.99**	**125**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-18	88.24	54	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-19**	**10.52**	**83**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-20	-6.6	-63	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-21**	**10.07**	**103**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-22**	**5.481**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-23**	**-11.23**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-7**	**-1.534**	**-73**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-8**	**2.384**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-9	-11.09	-37	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-3.242	-29	-68	No	18	5.556	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	12	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	12	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-2.837	-38	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	2.31	18	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	6.598	63	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-3.919	-41	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	2.004	37	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	5.017	41	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	3.122	27	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**23.69**	**121**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	159.6	57	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	16.24	58	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-2.219	-17	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	8.746	33	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**8.753**	**76**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-13.95	-65	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-2.243	-19	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-15.04	-40	-68	No	18	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:31 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0021	n/a	n/a	n/a	112	94.64	n/a	0.003199	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0015	n/a	n/a	n/a	147	86.39	n/a	0.0005313	NP Inter(NDs)
Barium (mg/L)	n/a	0.071	n/a	n/a	n/a	147	0	n/a	0.0005313	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	147	94.56	n/a	0.0005313	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	140	98.57	n/a	0.0007609	NP Inter(NDs)
Chromium (mg/L)	n/a	0.021	n/a	n/a	n/a	154	31.17	n/a	0.0003711	NP Inter(normality)
Cobalt (mg/L)	n/a	0.02	n/a	n/a	n/a	147	62.59	n/a	0.0005313	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	1.54	n/a	n/a	n/a	147	0	n/a	0.0005313	NP Inter(normality)
Fluoride, total (mg/L)	n/a	0.16	n/a	n/a	n/a	154	59.74	n/a	0.0003711	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	147	93.88	n/a	0.0005313	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	147	91.84	n/a	0.0005313	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	149	91.28	n/a	0.0004795	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	140	91.43	n/a	0.0007609	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	147	91.16	n/a	0.0005313	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	147	91.84	n/a	0.0005313	NP Inter(NDs)

SCHERER ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0021	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01
Barium, Total (mg/L)	2		0.071	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.021	0.1
Cobalt, Total (mg/L)		0.006	0.02	0.02
Combined Radium, Total (pCi/L)	5		1.54	5
Fluoride, Total (mg/L)	4		0.16	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.0005	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

Grey cell indicates Background Limit is higher than MCL or CCR-Rule Specified Level

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03111**	**0.02168**	**0.02**	**Yes**	**21**	**0.0264**	**0.00854**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02809**	**0.02162**	**0.02**	**Yes**	**21**	**0.02486**	**0.005868**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2751**	**0.2574**	**0.02**	**Yes**	**21**	**0.2663**	**0.01604**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.1536**	**0.1133**	**0.02**	**Yes**	**21**	**0.1334**	**0.03648**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2159**	**0.1612**	**0.02**	**Yes**	**21**	**0.1885**	**0.04958**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 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	15	0.00196	0.0001549	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	15	0.001893	0.0004131	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	14	0.001943	0.0002138	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	15	0.001893	0.0004131	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	21	0.0009443	0.000145	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	21	0.001005	0.00009908	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	21	0.0008938	0.0002434	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	21	0.0009733	0.0001638	80.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	21	0.0009738	0.0001785	76.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001461	0.0009087	0.01	No	21	0.00127	0.0004852	19.05	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	21	0.0009248	0.0001929	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	21	0.0009131	0.0001784	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003211	0.001851	0.01	No	21	0.002531	0.001233	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	21	0.0009648	0.0001124	90.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	21	0.0008495	0.0003256	42.86	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	21	0.0009886	0.00005237	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	21	0.0008805	0.0002456	76.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	21	0.0009714	0.00009462	90.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	21	0.0009286	0.0001814	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	21	0.0008895	0.0001945	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	21	0.0008938	0.0002063	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	21	0.0008705	0.0002169	57.14	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03223	0.02774	2	No	21	0.02999	0.004073	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04281	0.03827	2	No	21	0.04054	0.004115	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.05143	0.04014	2	No	21	0.04579	0.01023	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.03466	0.02778	2	No	21	0.03122	0.006239	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05871	0.0507	2	No	21	0.0547	0.007264	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.03801	0.03185	2	No	21	0.03493	0.005586	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.0268	0.02042	2	No	21	0.02361	0.005776	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02252	0.01927	2	No	21	0.0209	0.002948	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02357	0.0157	2	No	21	0.02006	0.007469	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-19	0.04035	0.03339	2	No	21	0.03687	0.006307	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03355	0.02505	2	No	21	0.0293	0.007704	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	21	0.1	0.01294	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09034	0.07986	2	No	21	0.0851	0.009499	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08336	0.06879	2	No	21	0.07608	0.01321	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1095	0.06841	2	No	21	0.08897	0.03727	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2955	0.2529	2	No	21	0.2742	0.03857	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	21	0.1817	0.02001	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06641	0.05453	2	No	21	0.06047	0.01076	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	21	0.002393	0.0004888	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	21	0.002297	0.0006443	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	21	0.000709	0.000752	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	21	0.002394	0.0004844	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	21	0.00137	0.001105	47.62	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	21	0.001948	0.001012	76.19	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008141	0.0006679	0.004	No	21	0.000741	0.0001325	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	21	0.002397	0.0004735	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	21	0.00239	0.0005019	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	21	0.002285	0.0006785	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	20	0.002386	0.0005098	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	20	0.002285	0.0006646	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.00027	0.005	No	20	0.001189	0.001099	40	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00032	0.005	No	20	0.001822	0.001063	70	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	20	0.002393	0.0004785	95	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 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	20	0.00226	0.0007375	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	20	0.002394	0.0004718	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	20	0.002386	0.0005098	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	20	0.00239	0.0004897	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	21	0.001986	0.00006547	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	21	0.001871	0.000381	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03487	0.0325	0.1	No	21	0.03369	0.002147	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.0117	0.009812	0.1	No	21	0.01075	0.001708	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.00721	0.004433	0.1	No	21	0.005821	0.002517	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01026	0.007492	0.1	No	21	0.009039	0.002851	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01574	0.01437	0.1	No	21	0.01506	0.00124	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	21	0.001957	0.0002461	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	21	0.001929	0.0002217	76.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	21	0.001857	0.0004154	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001743	0.00133	0.1	No	21	0.00181	0.0003632	42.86	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	21	0.002029	0.0001309	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	21	0.001867	0.0004293	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-13S	0.007698	0.004252	0.02	No	4	0.005975	0.0007588	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-39S	0.0006428	0.0001905	0.02	No	4	0.0008975	0.001073	25	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-41S	0.0092	0.00093	0.02	No	4	0.003158	0.004031	0	None	No	0.0625	NP (normality)
Cobalt (mg/L)	PZ-43S	0.0086	0.00025	0.02	No	4	0.00308	0.003798	25	None	No	0.0625	NP (selected)
Cobalt (mg/L)	**SGWC-10**	**0.03111**	**0.02168**	**0.02**	**Yes**	**21**	**0.0264**	**0.00854**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02809**	**0.02162**	**0.02**	**Yes**	**21**	**0.02486**	**0.005868**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003874	0.002389	0.02	No	21	0.003132	0.001346	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006669	0.002958	0.02	No	21	0.00521	0.003749	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01117	0.006792	0.02	No	21	0.008983	0.003973	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2751**	**0.2574**	**0.02**	**Yes**	**21**	**0.2663**	**0.01604**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004328	0.003542	0.02	No	21	0.003935	0.0007124	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	21	0.0008879	0.000813	19.05	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.1536**	**0.1133**	**0.02**	**Yes**	**21**	**0.1334**	**0.03648**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	21	0.00141	0.001086	47.62	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2159**	**0.1612**	**0.02**	**Yes**	**21**	**0.1885**	**0.04958**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	21	0.001605	0.001169	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003376	0.001832	0.02	No	21	0.002604	0.0014	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	21	0.002387	0.0005172	95.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002217	0.0008878	0.02	No	21	0.002021	0.001148	38.1	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01036	0.005064	0.02	No	21	0.00771	0.004796	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	21	0.001911	0.0009915	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01196	0.005761	0.02	No	21	0.008862	0.005622	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	21	0.2839	0.3518	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.4972	0.1656	5	No	21	0.3314	0.3006	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4152	0.152	5	No	21	0.2836	0.2386	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4499	0.1763	5	No	21	0.3131	0.248	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3413	0.05517	5	No	21	0.1982	0.2593	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4681	0.2534	5	No	21	0.3607	0.1946	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3552	0.1028	5	No	21	0.229	0.2288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4081	0.1719	5	No	21	0.29	0.2141	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	21	0.3824	0.3463	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	21	0.2823	0.3493	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.5863	0.2766	5	No	21	0.4315	0.2807	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.216	5	No	21	0.44	0.3654	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4559	0.13	5	No	21	0.3456	0.4132	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6434	0.3896	5	No	21	0.5165	0.2301	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.384	0.1343	5	No	21	0.2591	0.2263	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5378	0.3186	5	No	21	0.4282	0.1987	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.518	2.044	5	No	21	2.281	0.4295	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3635	0.1256	5	No	21	0.2446	0.2156	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	22	0.08759	0.02729	81.82	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	22	0.09414	0.01676	86.36	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.09725	0.06303	4	No	22	0.08882	0.03134	18.18	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	22	0.08645	0.03009	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	22	0.07868	0.03209	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.12	4	No	22	0.14	0.05403	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	22	0.0865	0.02858	77.27	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07245	0.04562	4	No	22	0.07905	0.0327	40.91	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	22	0.09215	0.03088	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	22	0.09771	0.02741	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2514	0.1798	4	No	22	0.219	0.07267	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09342	0.06771	4	No	22	0.09114	0.02398	31.82	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	22	0.08868	0.025	77.27	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	22	0.07655	0.02694	40.91	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1429	0.1026	4	No	22	0.1247	0.03988	13.64	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.235	0.1845	4	No	22	0.2098	0.04702	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.46	0.3674	4	No	22	0.4137	0.08622	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08327	0.05916	4	No	22	0.08414	0.02351	40.91	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	21	0.0008762	0.0003108	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-12	0.001	0.0002	0.001	No	21	0.0009619	0.0001746	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	21	0.000971	0.0001331	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	21	0.0009438	0.0001943	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	21	0.0009633	0.000168	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	21	0.0009586	0.0001898	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	21	0.0009605	0.0001811	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.001	No	21	0.0009524	0.0001644	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-19	0.001	0.00033	0.001	No	21	0.0009681	0.0001462	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	21	0.0005933	0.0003681	42.86	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.001	No	21	0.0008133	0.0003463	76.19	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	21	0.0008419	0.000334	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	21	0.0009567	0.0001986	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	21	0.0009619	0.0001746	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	21	0.0009114	0.0002569	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	21	0.0009481	0.000172	90.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-44I	0.06169	0.0004218	0.005	No	5	0.0227	0.02646	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.005	No	21	0.004095	0.001374	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	21	0.004829	0.0007856	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	21	0.004162	0.0009729	52.38	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	21	0.004833	0.0007638	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	21	0.004829	0.0007856	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004753	0.00399	0.005	No	21	0.004662	0.0006569	23.81	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.0072	0.0022	0.005	No	21	0.004833	0.001013	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004803	0.004007	0.005	No	20	0.004405	0.0007007	5	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	21	0.004324	0.001335	76.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	21	0.004619	0.00102	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0032	0.005	No	21	0.004262	0.0008953	47.62	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-6	0.005	0.0013	0.005	No	21	0.004824	0.0008074	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-7	0.005296	0.004244	0.005	No	20	0.00477	0.0009257	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.005	No	21	0.004095	0.001478	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	21	0.0001967	0.00001528	95.24	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	21	0.0001949	0.00002335	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	21	0.0001861	0.00003513	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00012	0.002	No	21	0.0001579	0.00004451	42.86	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	21	0.0001941	0.00002706	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	21	0.00019	0.00002739	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001726	0.0001126	0.002	No	21	0.0001789	0.0000461	28.57	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	21	0.000185	0.00003888	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	21	0.0001952	0.00002204	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	21	0.0001891	0.00004286	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	21	0.0001941	0.00002706	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	20	0.01361	0.004263	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	20	0.01369	0.004046	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	20	0.01358	0.004357	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.015	No	20	0.004441	0.005468	20	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	20	0.01429	0.003175	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00099	0.015	No	20	0.008708	0.007143	55	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	21	0.004784	0.0009907	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	21	0.004777	0.001023	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	21	0.004569	0.001364	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	21	0.004595	0.001279	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	21	0.004148	0.002581	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	21	0.003736	0.001851	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	21	0.004341	0.001656	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01053	0.003793	0.05	No	21	0.00849	0.008078	4.762	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	21	0.004385	0.001545	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	21	0.003969	0.001826	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	21	0.004324	0.001697	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	21	0.004344	0.001646	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	21	0.004778	0.001017	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	21	0.000909	0.0002526	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	21	0.0009195	0.0002542	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	21	0.0009319	0.0002158	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	21	0.0009629	0.0001702	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	21	0.0008952	0.0002796	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	21	0.0005644	0.0004342	47.62	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	21	0.0009638	0.0001658	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00013	0.002	No	21	0.0003055	0.0002786	9.524	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00016	0.002	No	21	0.0002629	0.0002509	9.524	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	21	0.0009705	0.0001353	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	21	0.00096	0.0001833	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	21	0.0008652	0.0002897	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	21	0.0009352	0.000207	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	21	0.0008776	0.0002817	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	21	0.0009367	0.0002011	90.48	None	No	0.01	NP (NDs)

Appendix IV Trend Test - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003192**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.00225**	**-157**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.003019**	**-166**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.02244**	**-121**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix IV Trend Test - All Results

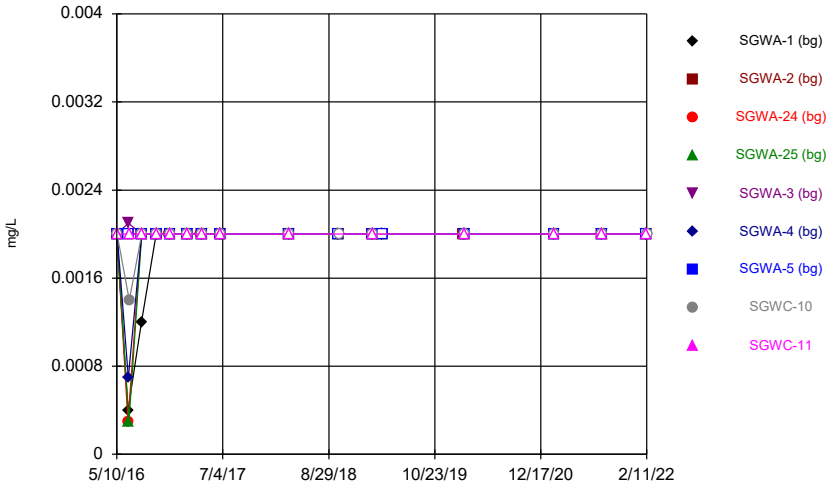
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003192**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	1	87	No	21	90.48	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	-31	-87	No	21	61.9	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.00225**	**-157**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-3 (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	5	87	No	21	90.48	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	87	No	21	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-10	0	5	87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-11**	**-0.003019**	**-166**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWC-15	0	-15	-87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-18	-0.00332	-27	-87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-20**	**-0.02244**	**-121**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

FIGURE A.

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 6/29/2022 9:25 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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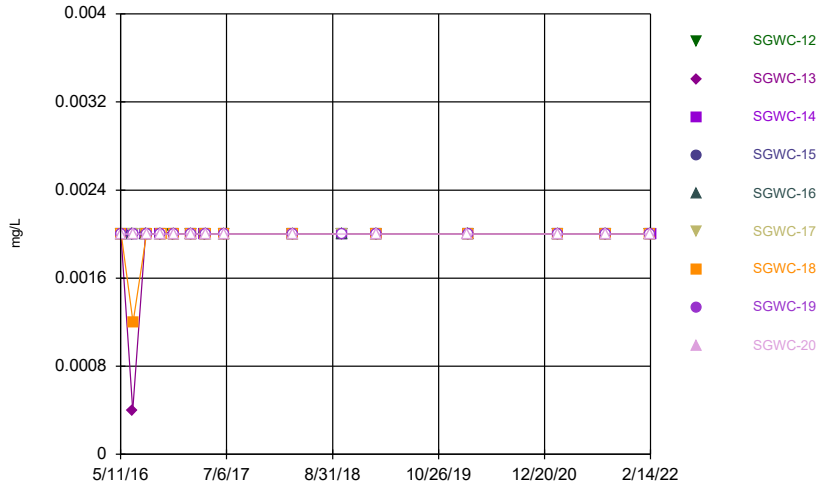

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Plant Scherer Client: Southern Company Data: Scherer AP

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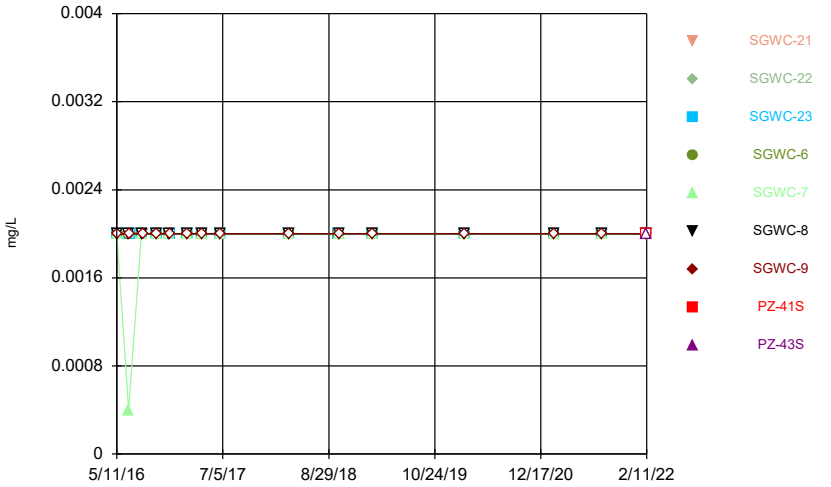

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Plant Scherer Client: Southern Company Data: Scherer AP

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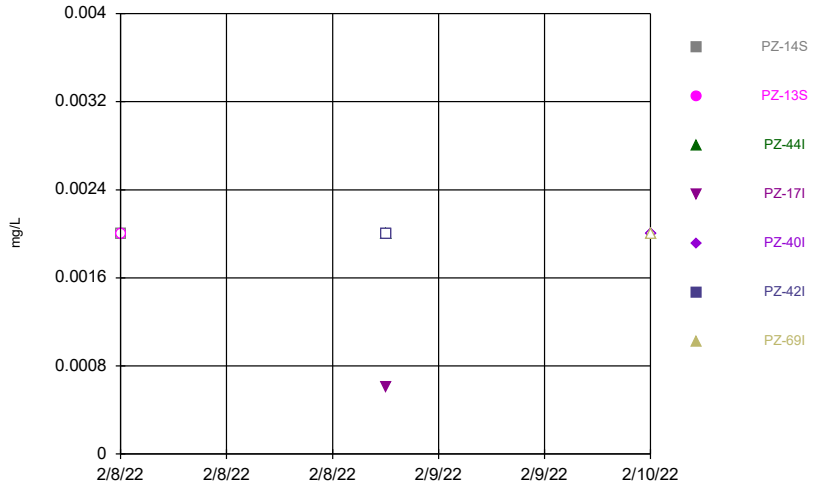

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Hollow symbols indicate censored values.

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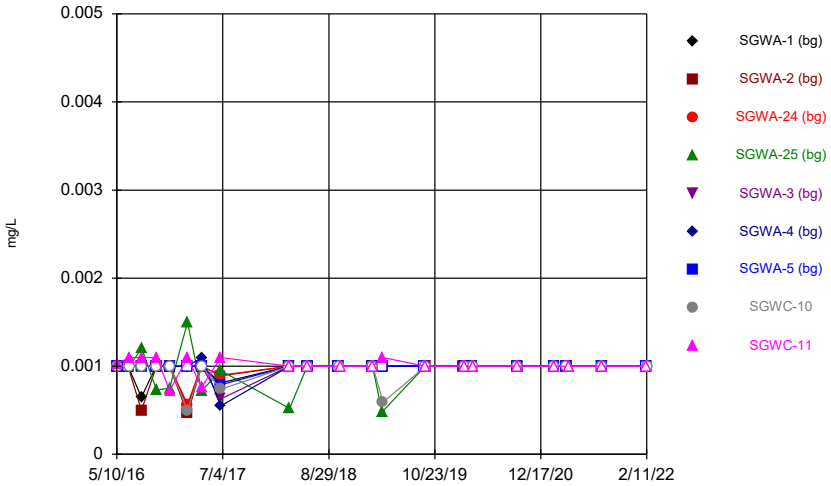

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Plant Scherer Client: Southern Company Data: Scherer AP

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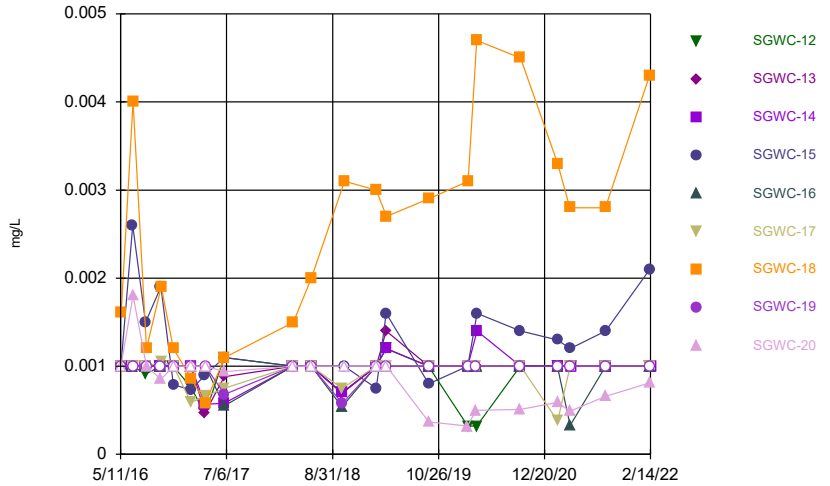

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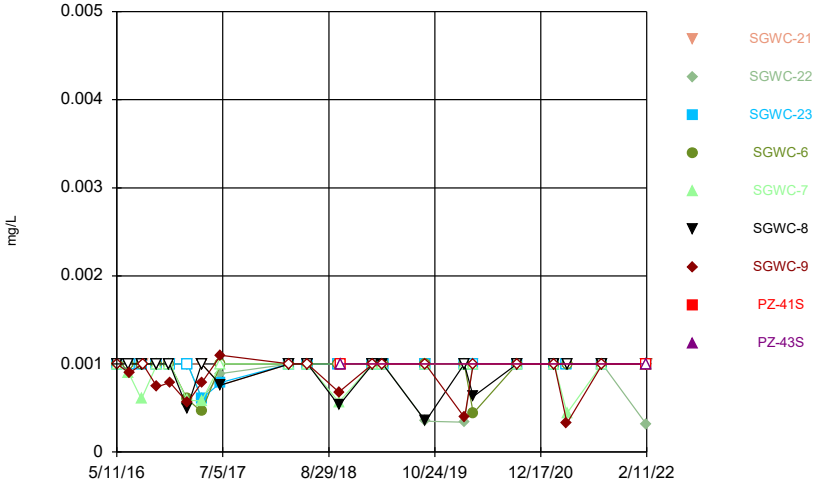

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Plant Scherer Client: Southern Company Data: Scherer AP

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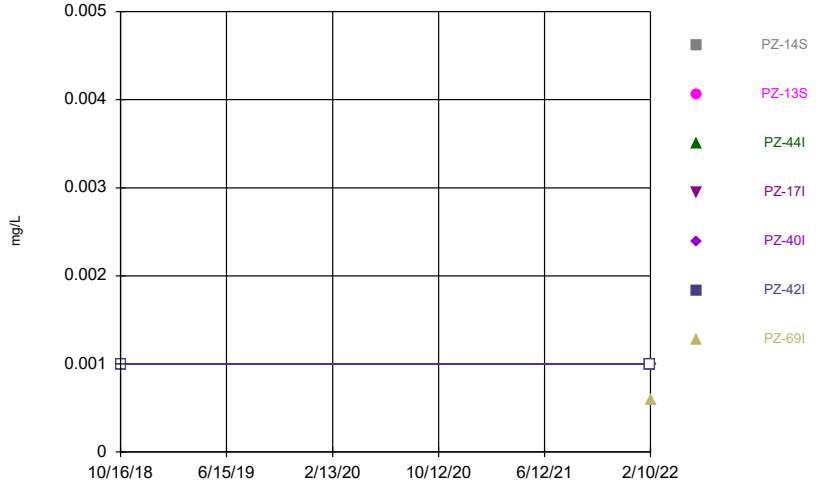

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Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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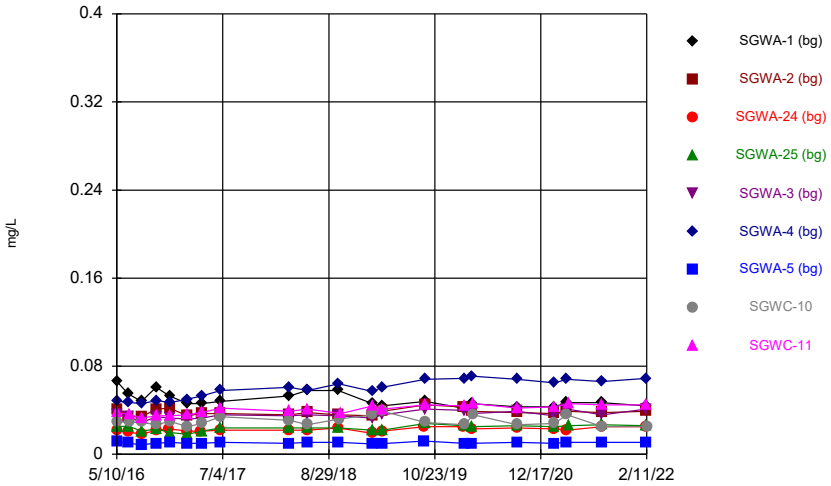

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Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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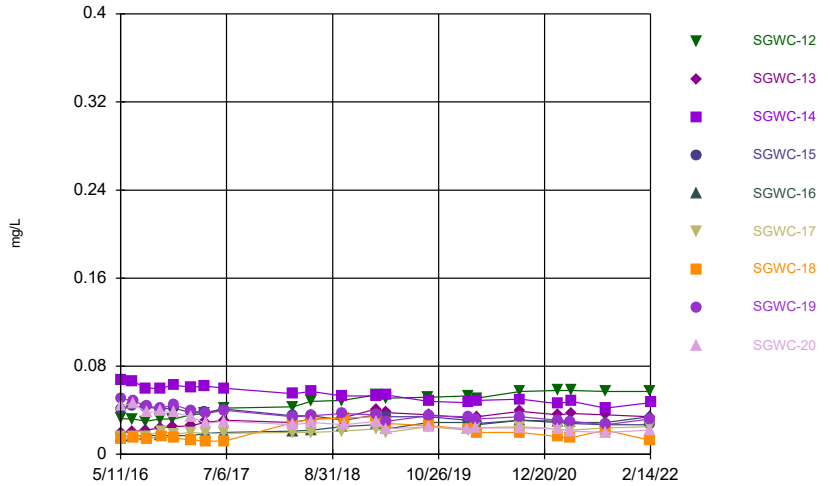

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Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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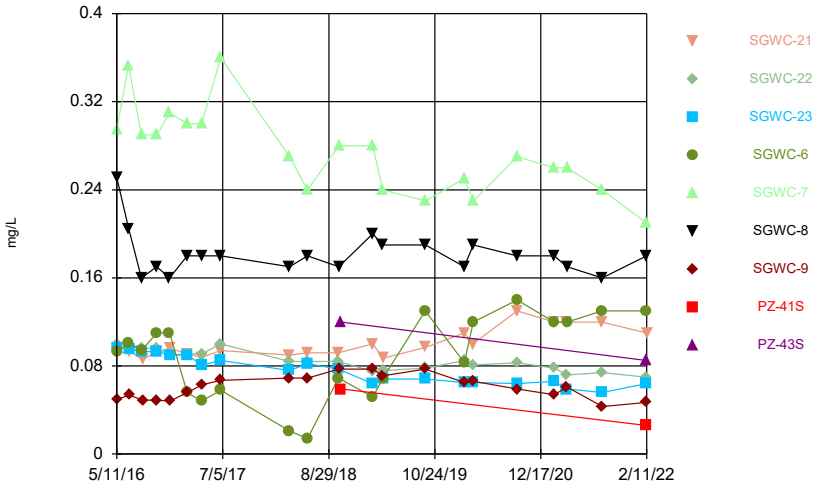

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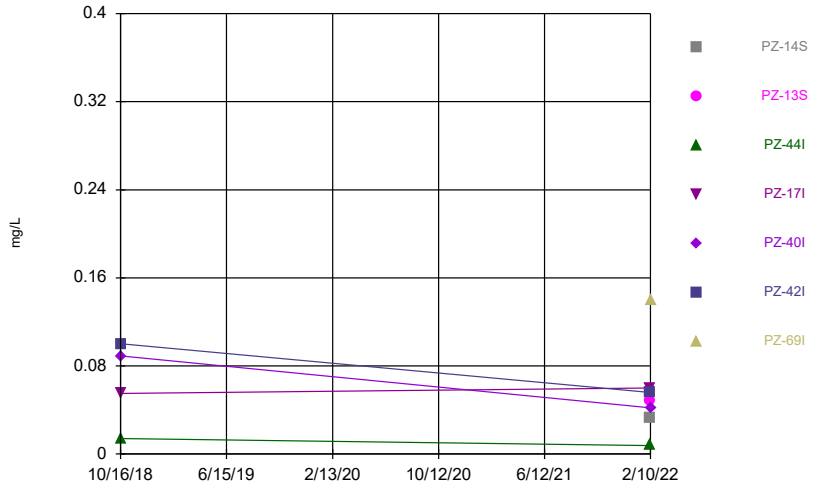
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series



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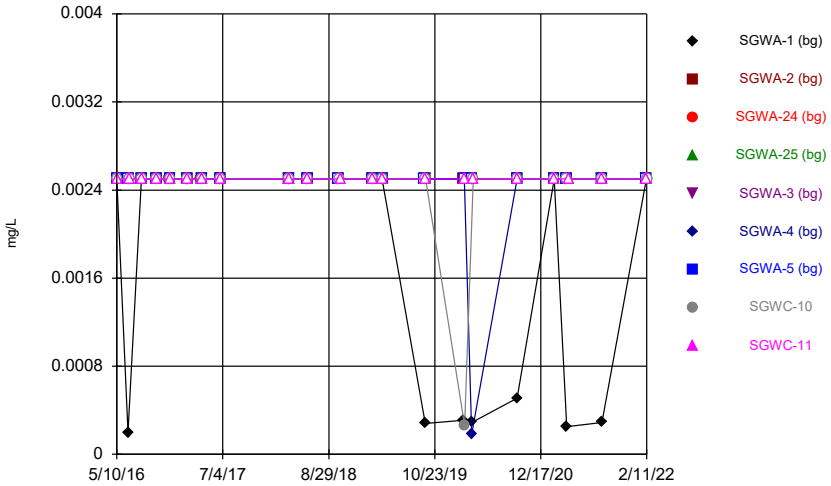

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Hollow symbols indicate censored values.

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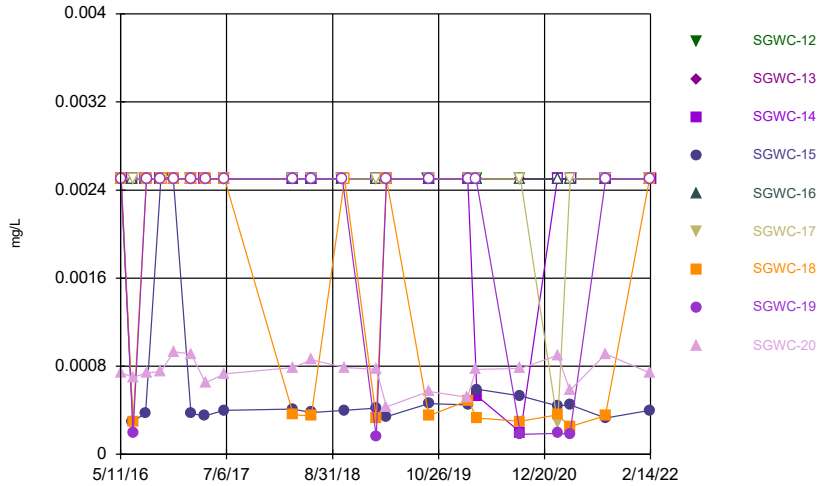

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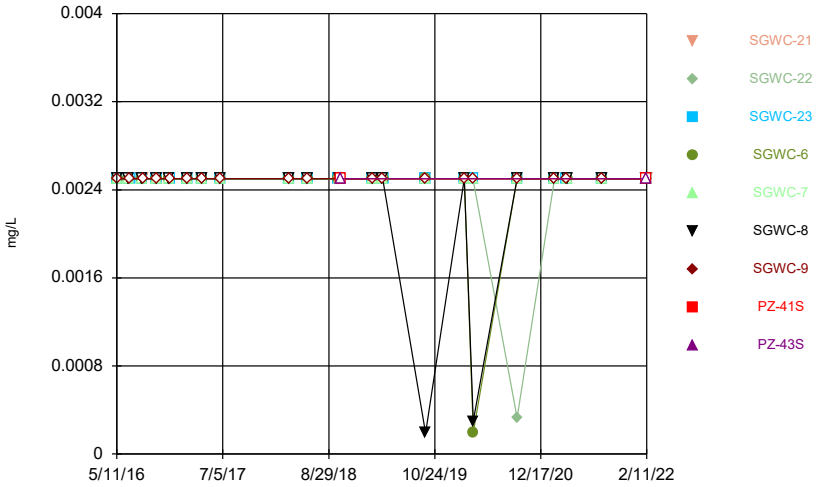

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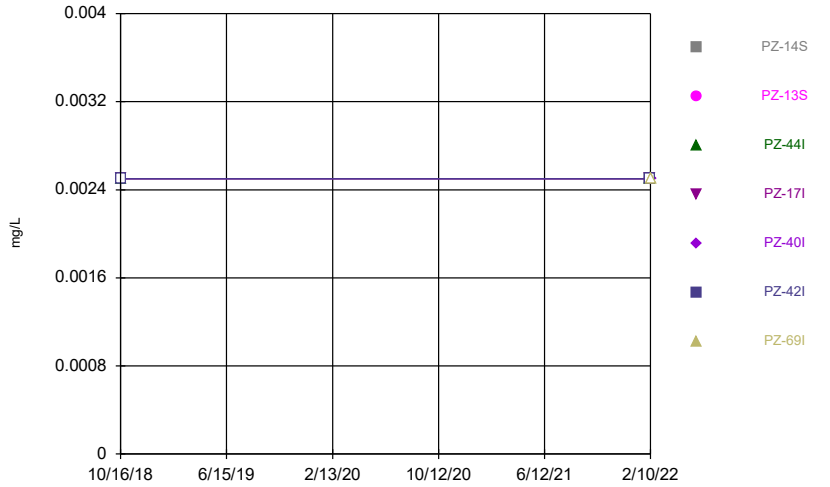

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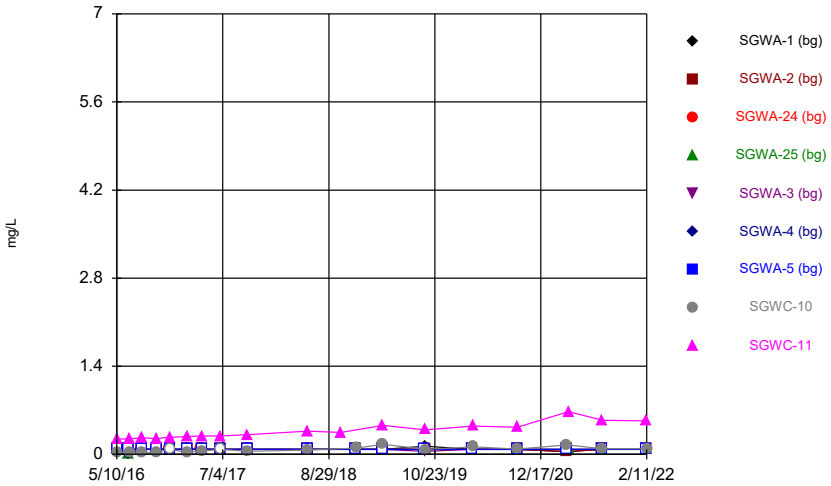

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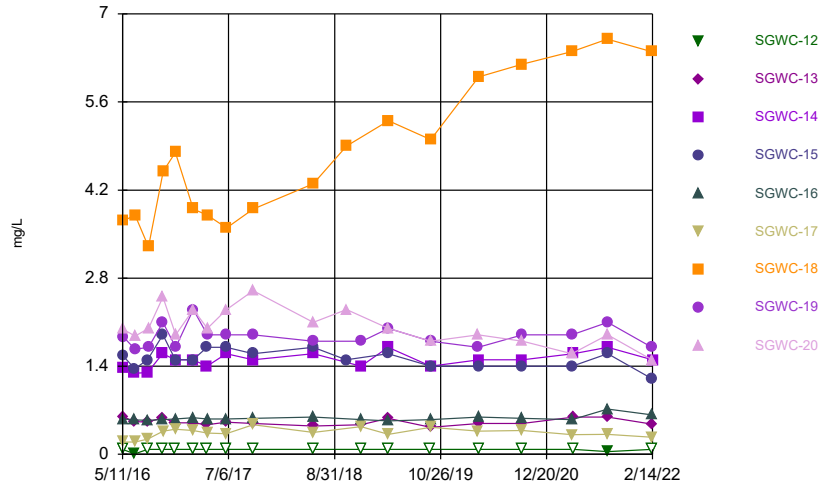

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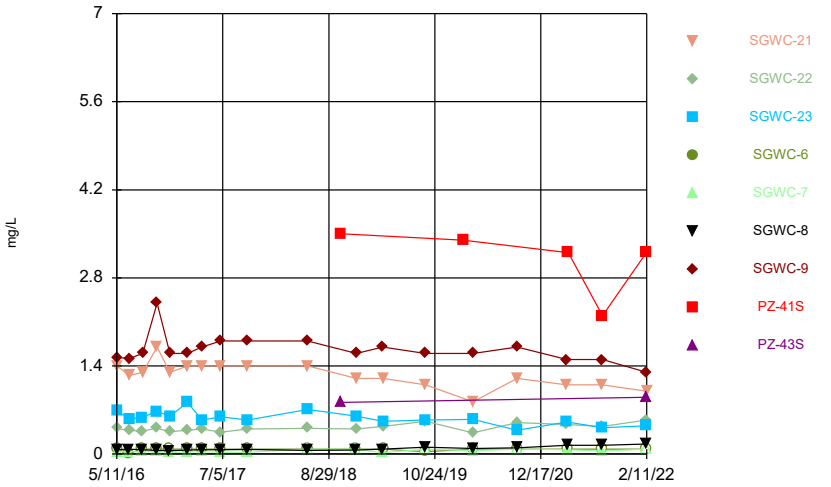

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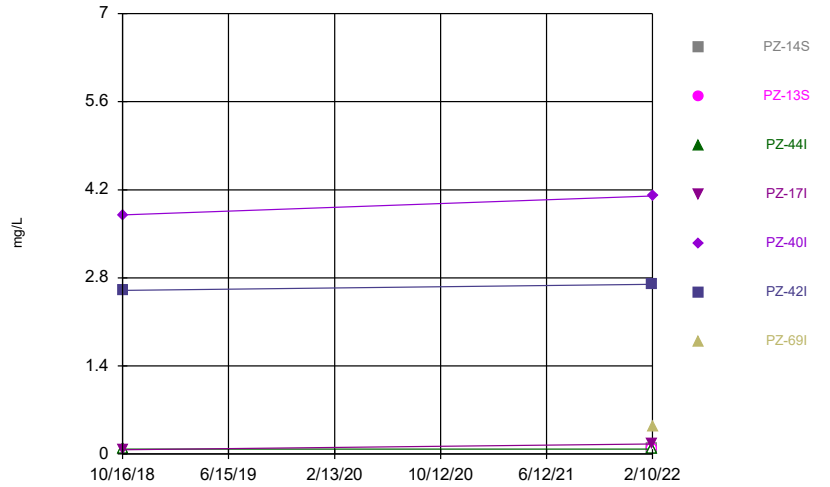

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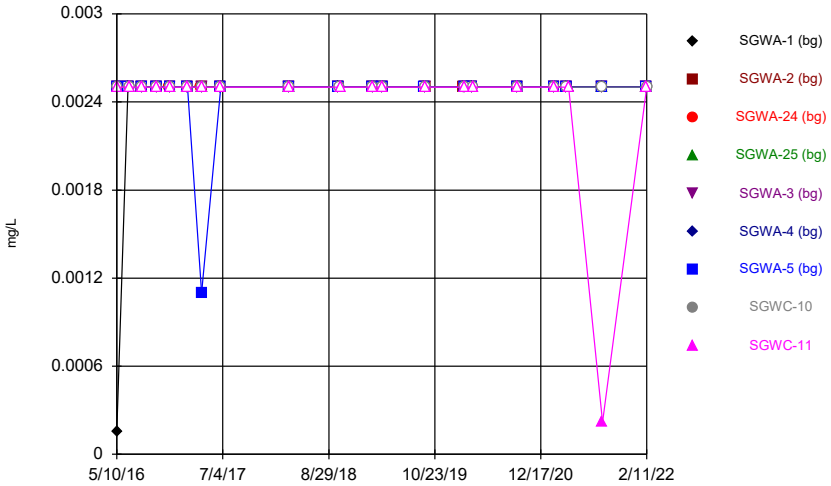

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Plant Scherer Client: Southern Company Data: Scherer AP

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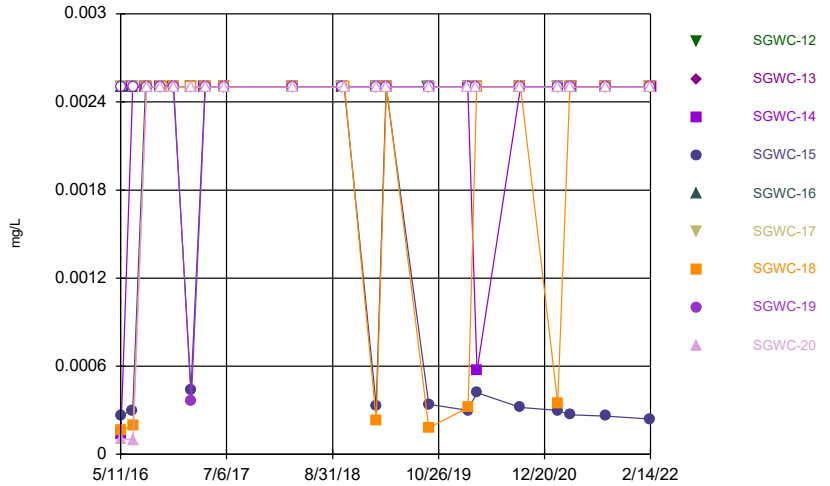

Constituent: Cadmium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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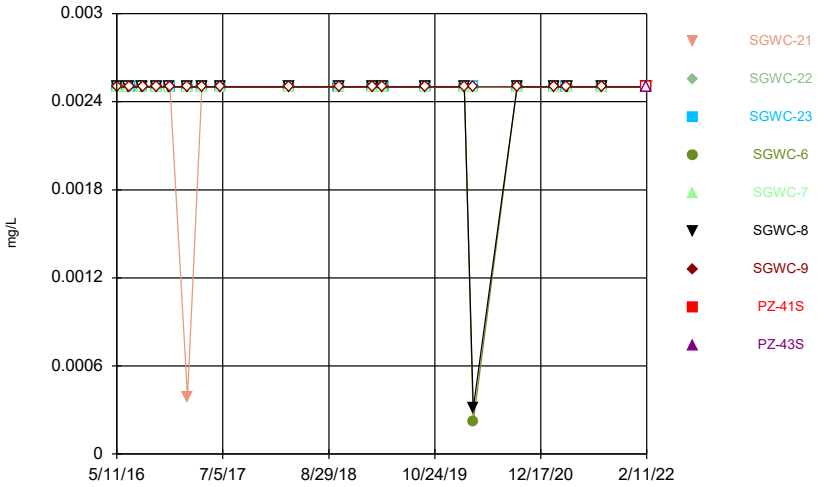

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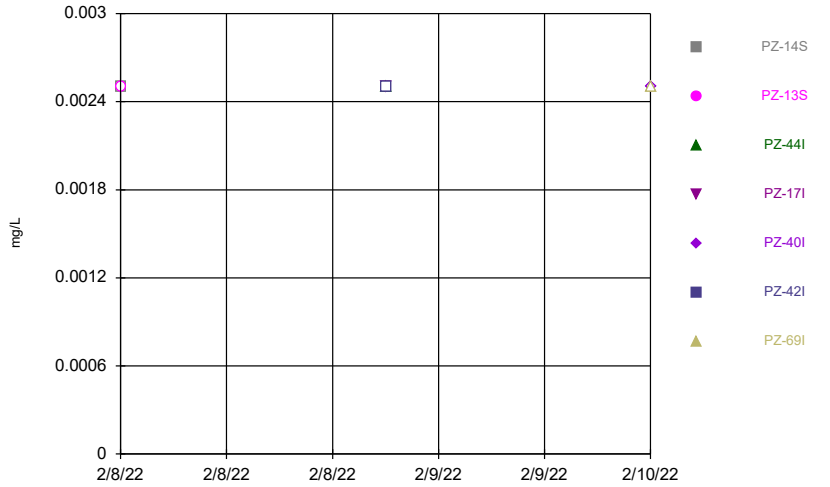

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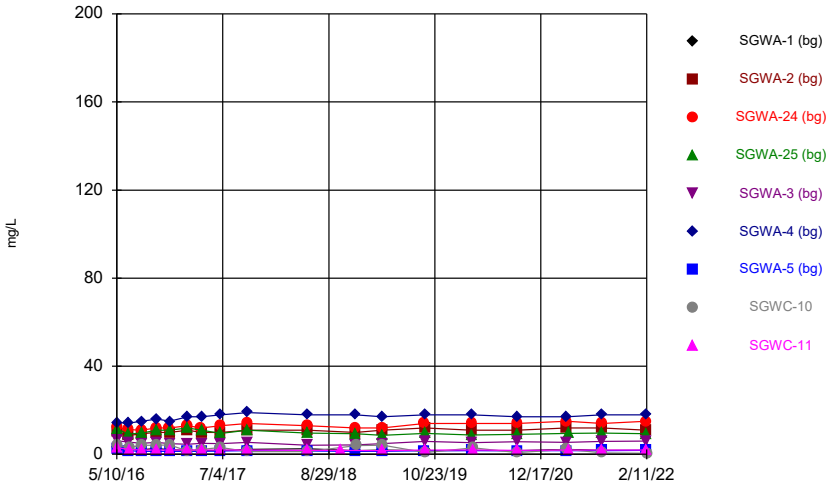
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series



Constituent: Calcium, total Analysis Run 6/29/2022 9:26 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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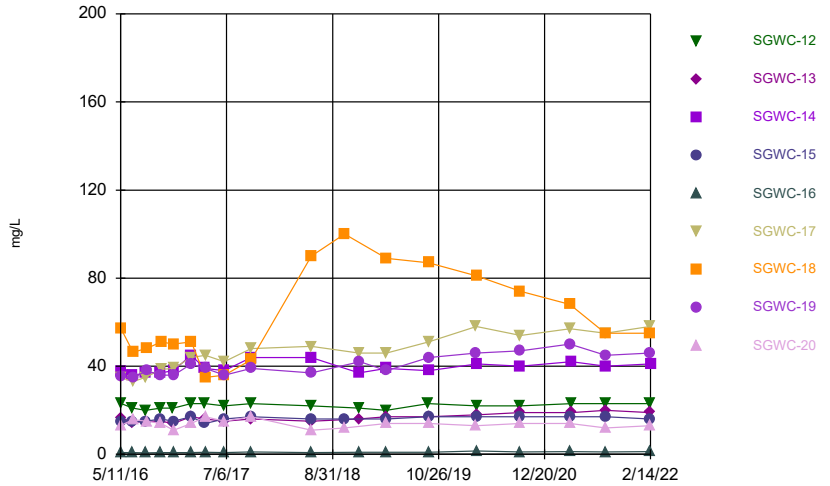

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Plant Scherer Client: Southern Company Data: Scherer AP

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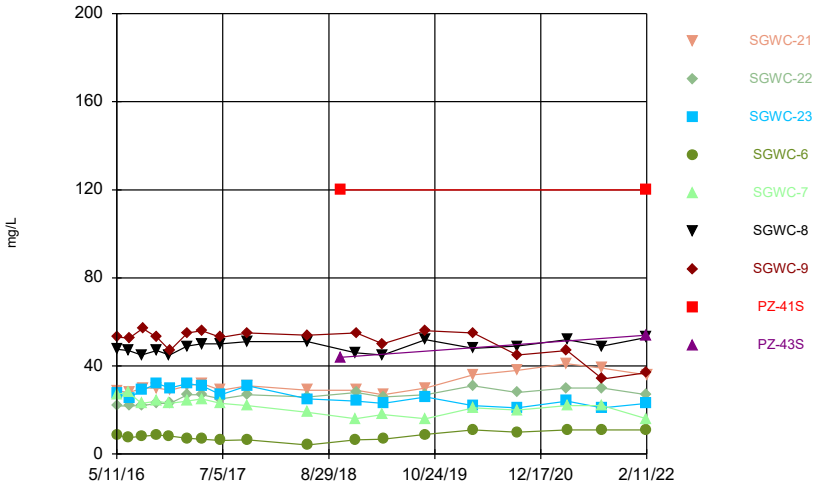
Time Series



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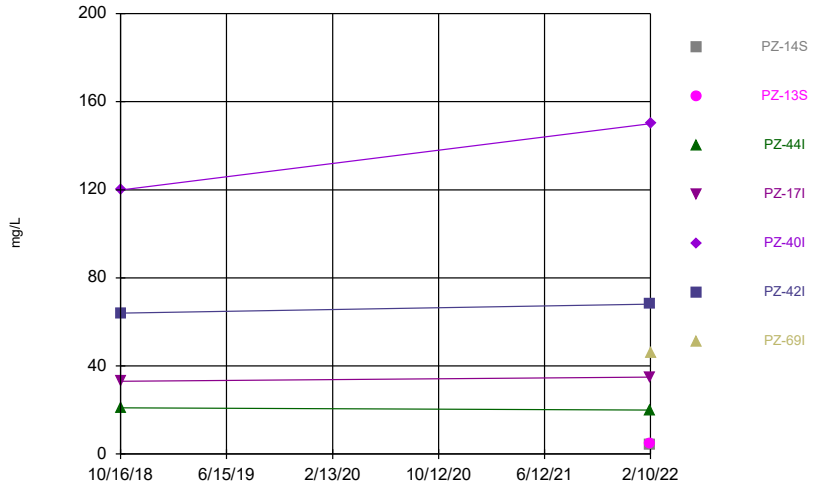
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series



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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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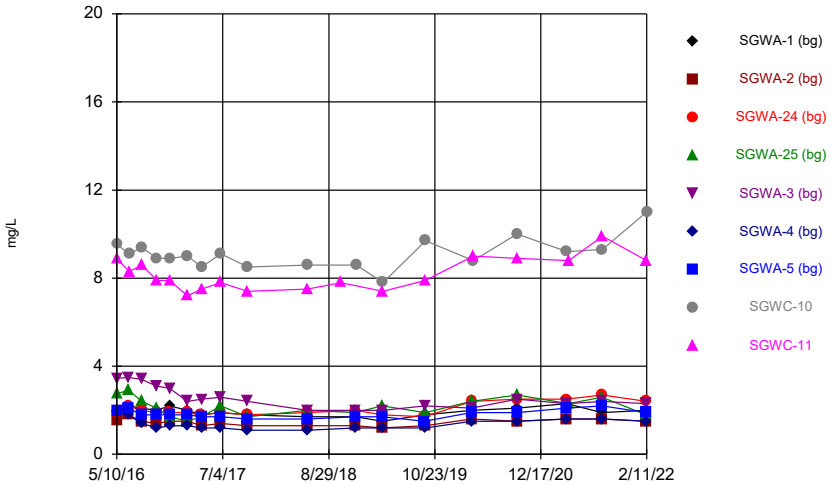

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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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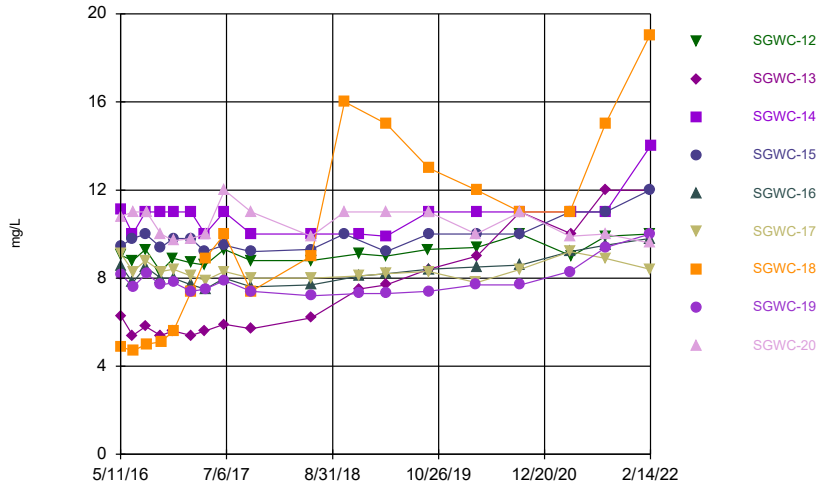

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Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

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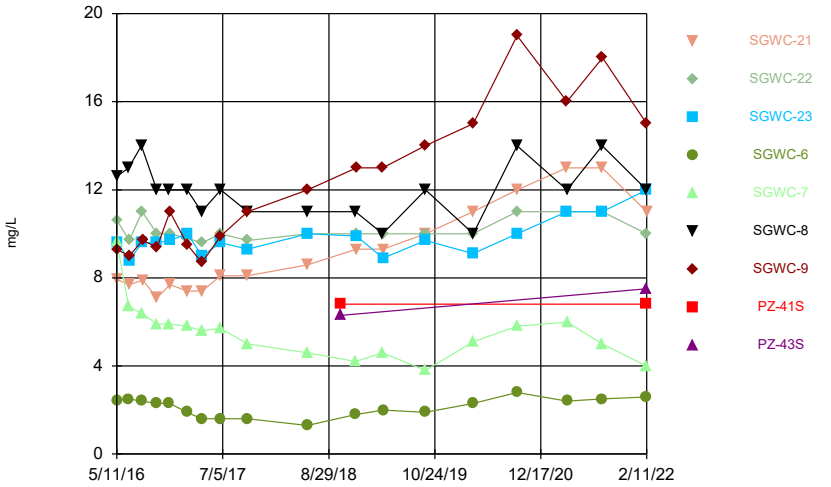

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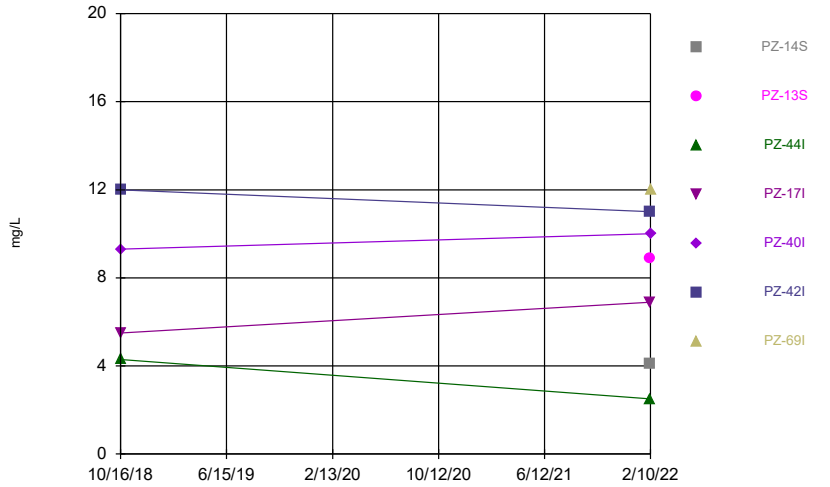
Time Series



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Plant Scherer Client: Southern Company Data: Scherer AP

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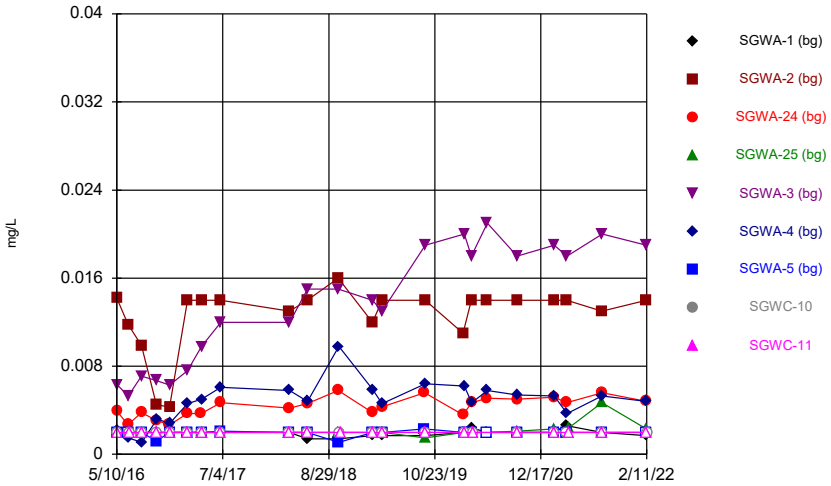
Time Series



Constituent: Chromium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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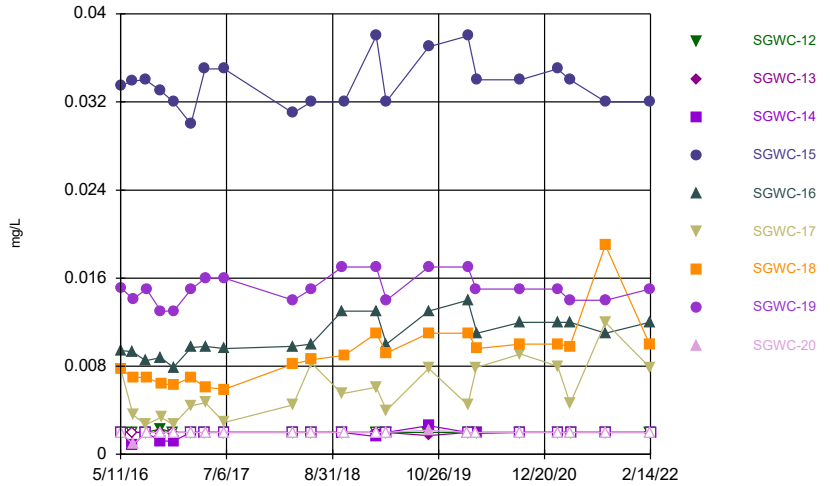

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Plant Scherer Client: Southern Company Data: Scherer AP

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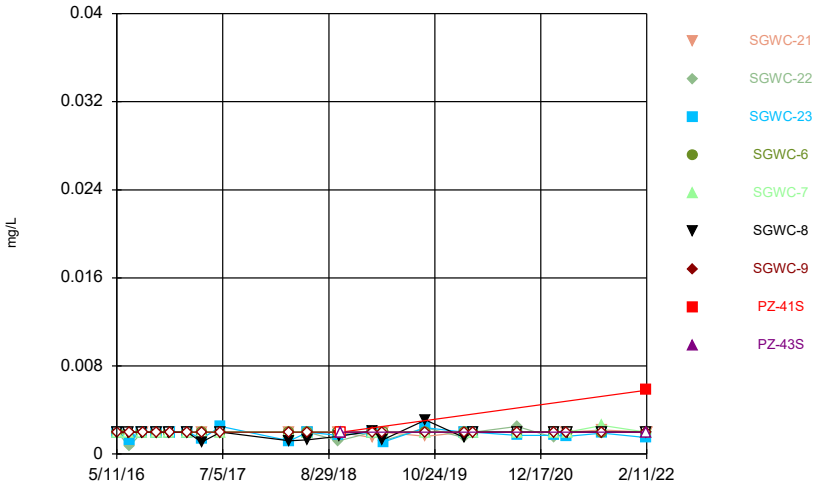

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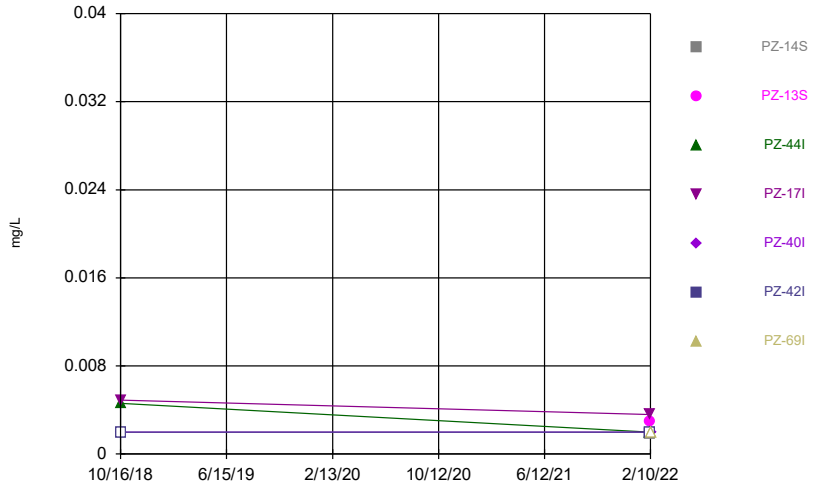
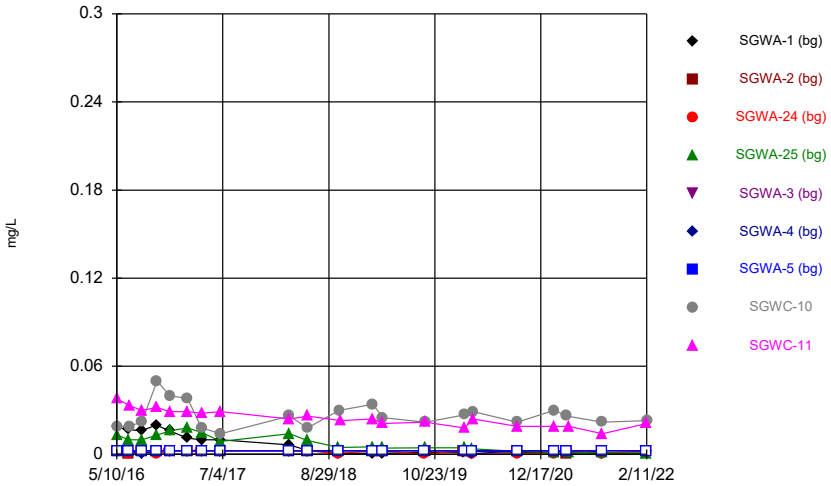
Time Series



Constituent: Chromium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

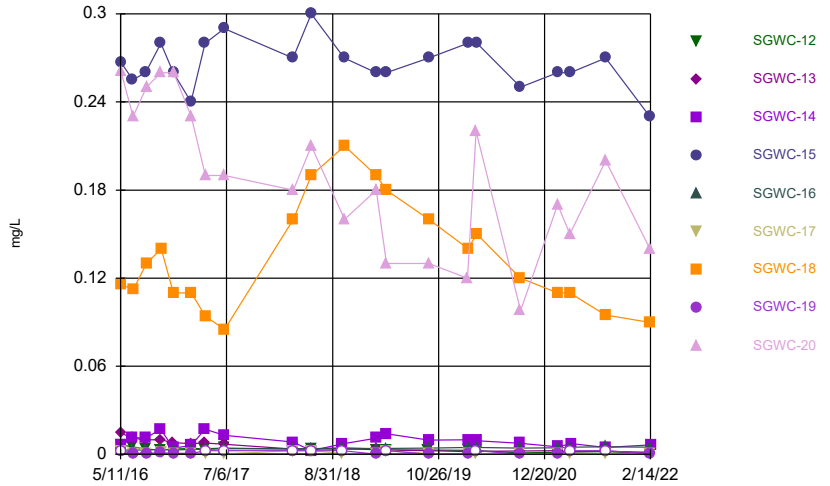
Time Series



Constituent: Cobalt Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

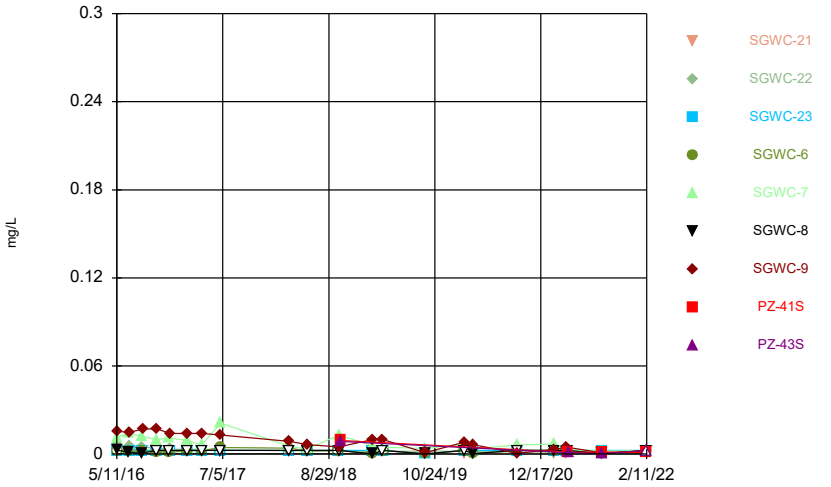
Time Series



Constituent: Cobalt Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

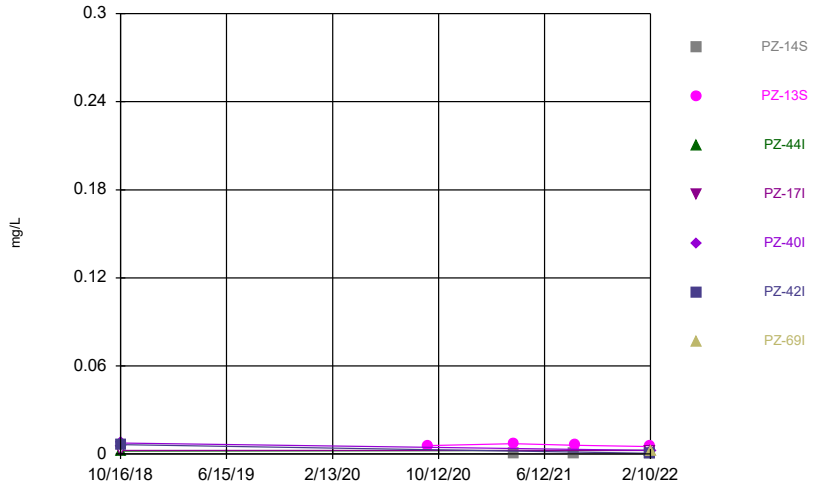
Time Series



Constituent: Cobalt Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

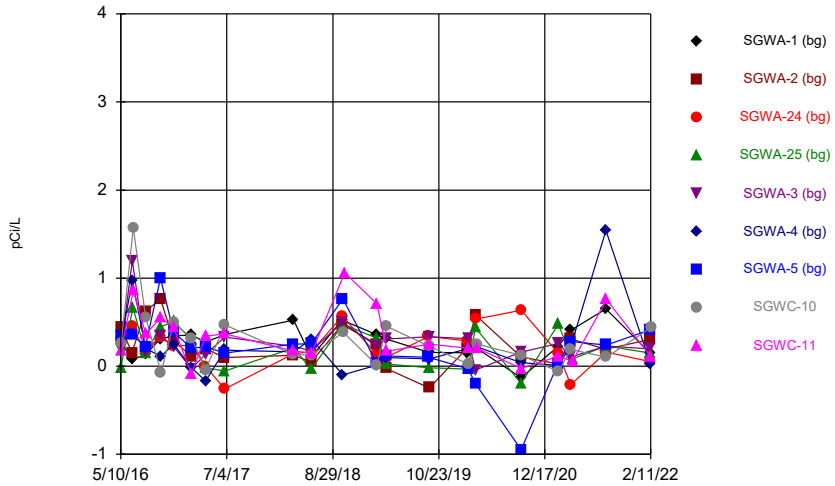
Time Series



Constituent: Cobalt Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series

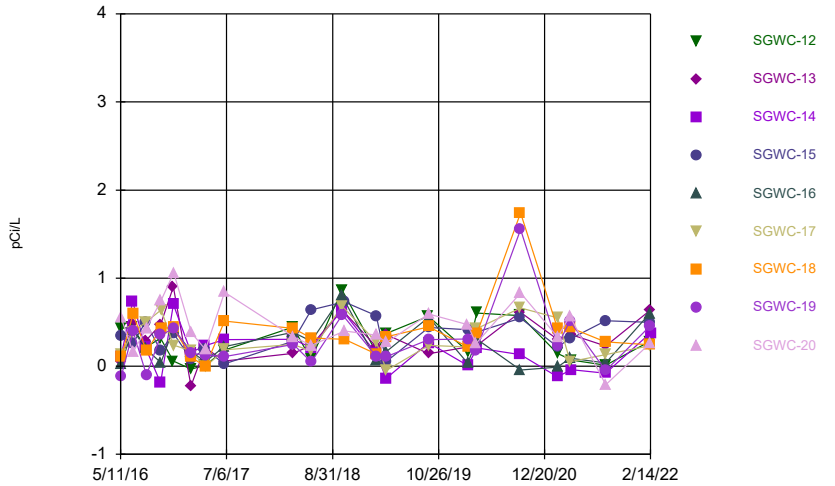


Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:26 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series

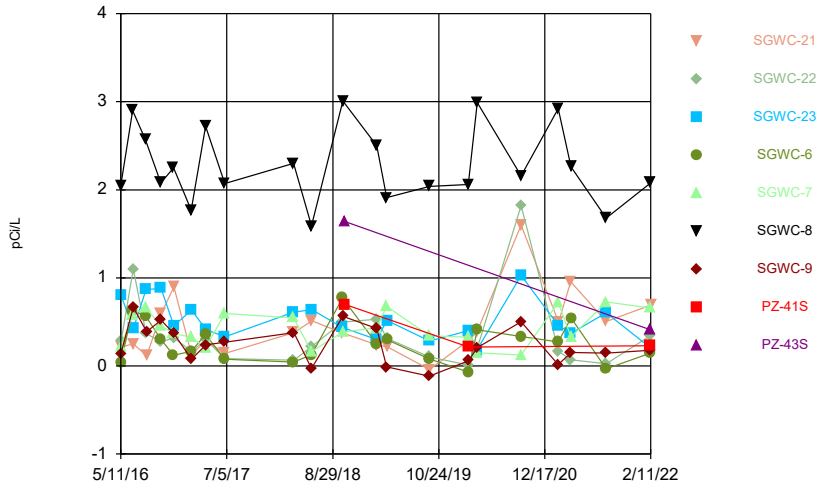


Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:26 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series

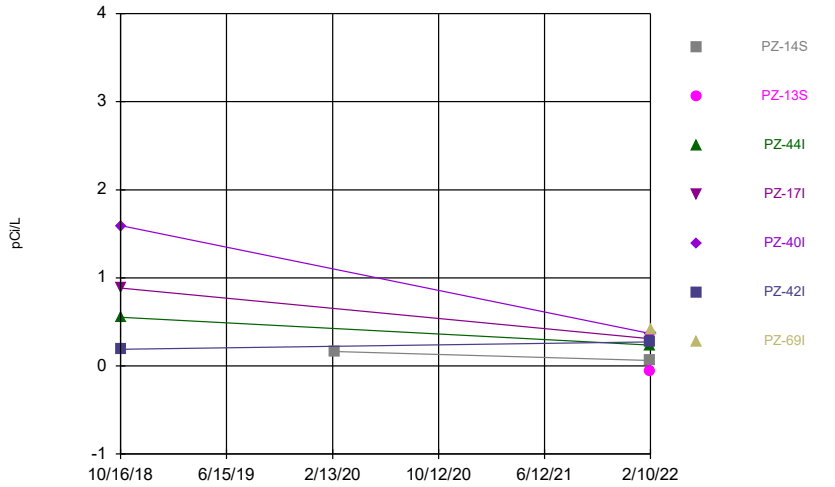


Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:26 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series

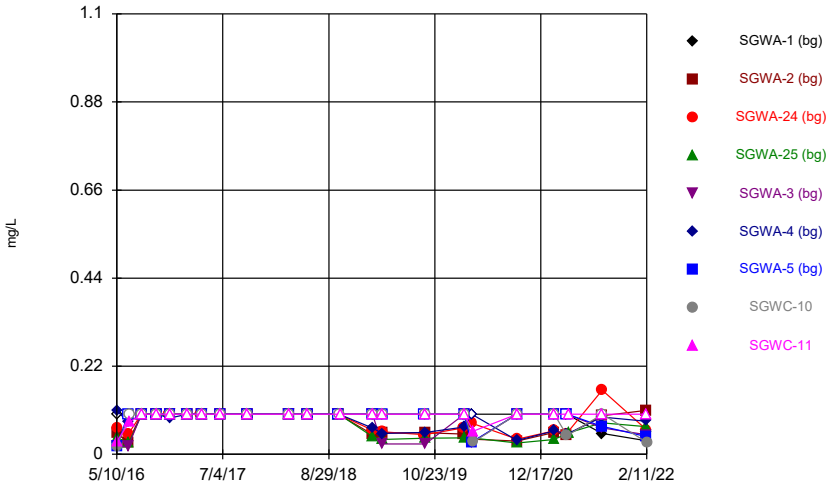


Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:26 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

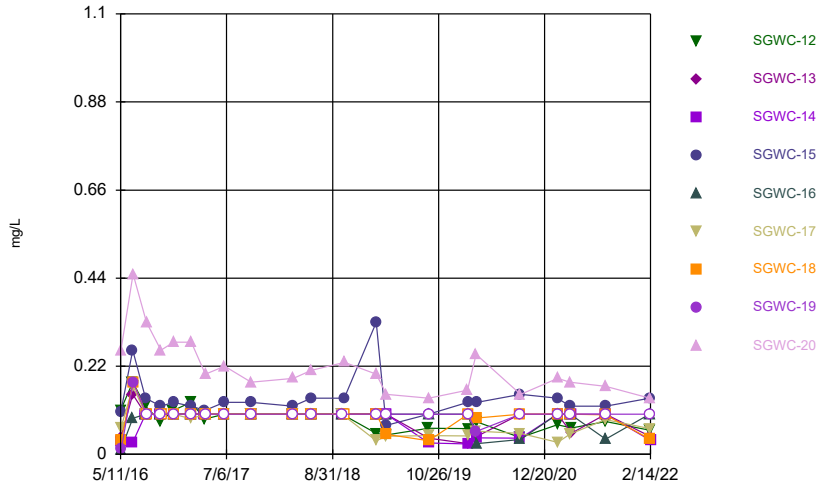
Time Series



Constituent: Fluoride, total Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

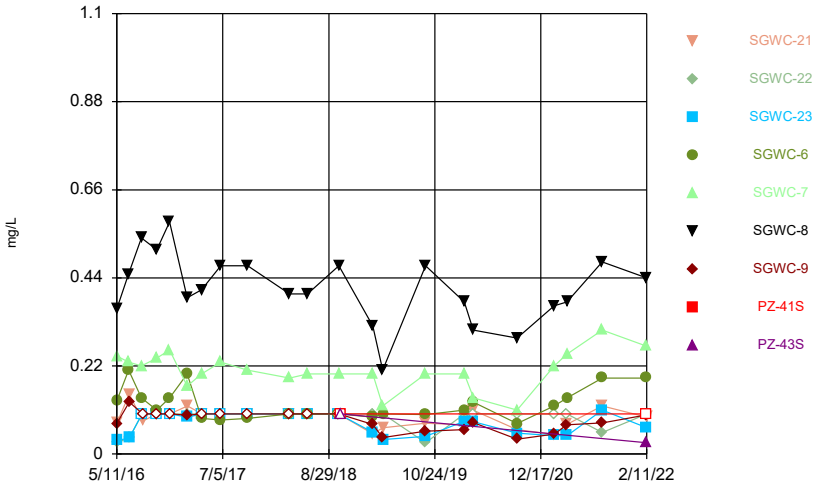
Time Series



Constituent: Fluoride, total Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

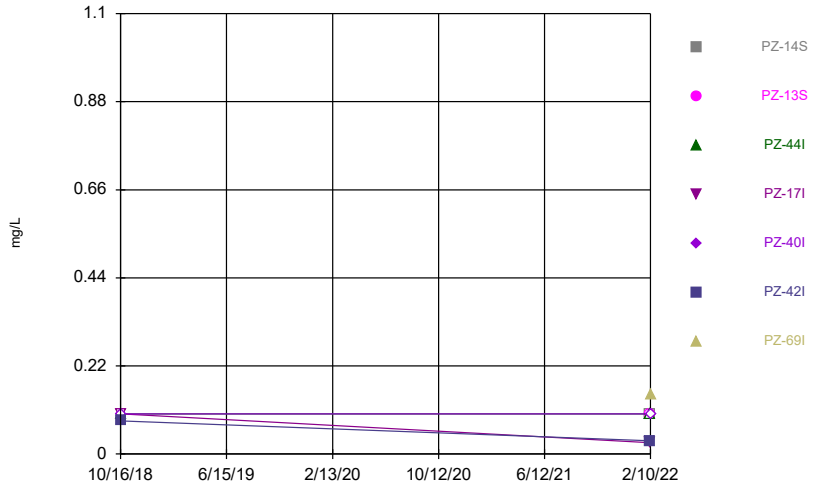
Time Series



Constituent: Fluoride, total Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

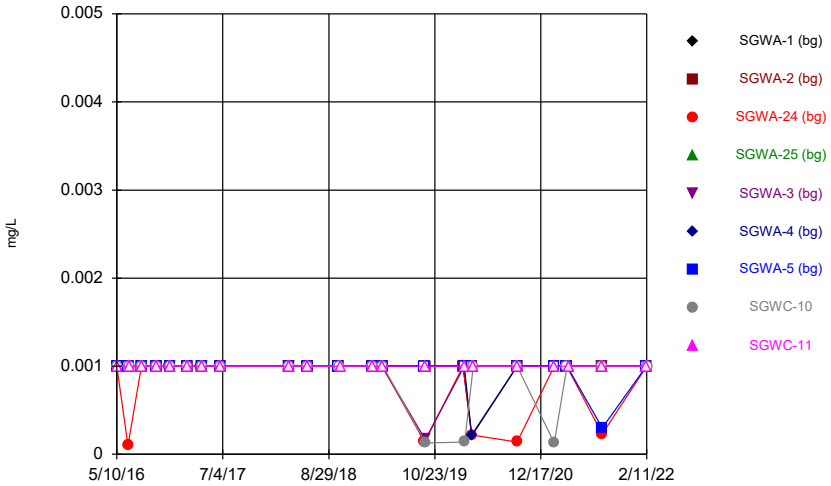
Time Series



Constituent: Fluoride, total Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

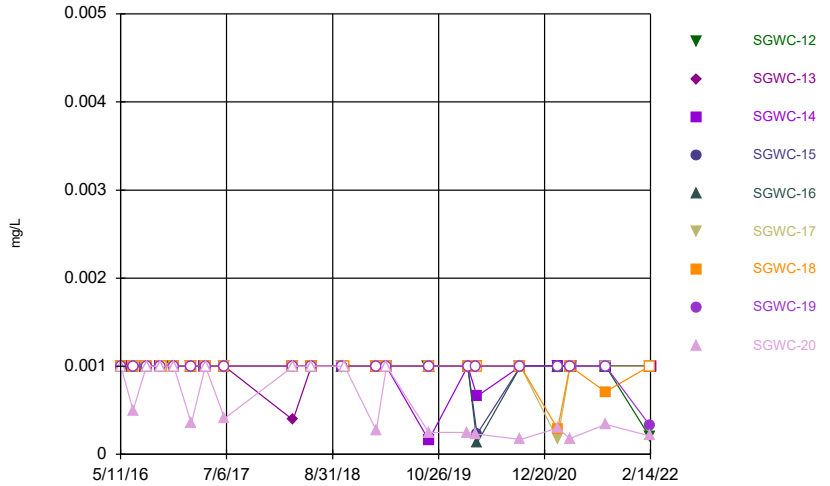
Time Series



Constituent: Lead Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

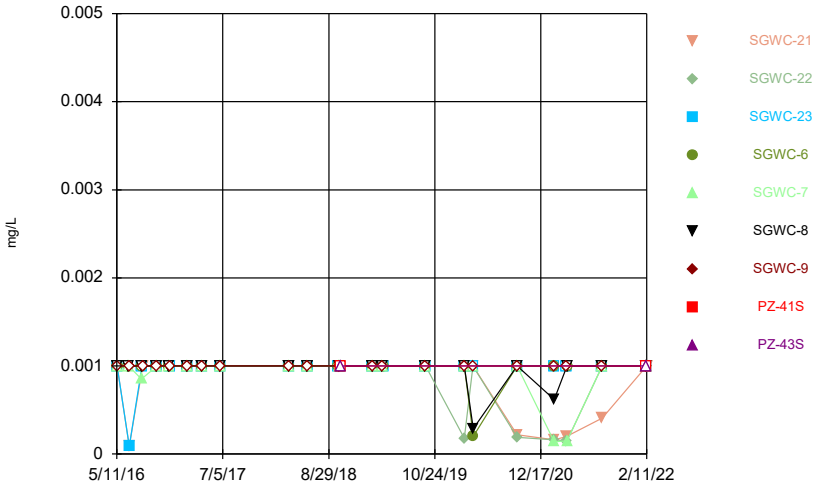
Time Series



Constituent: Lead Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

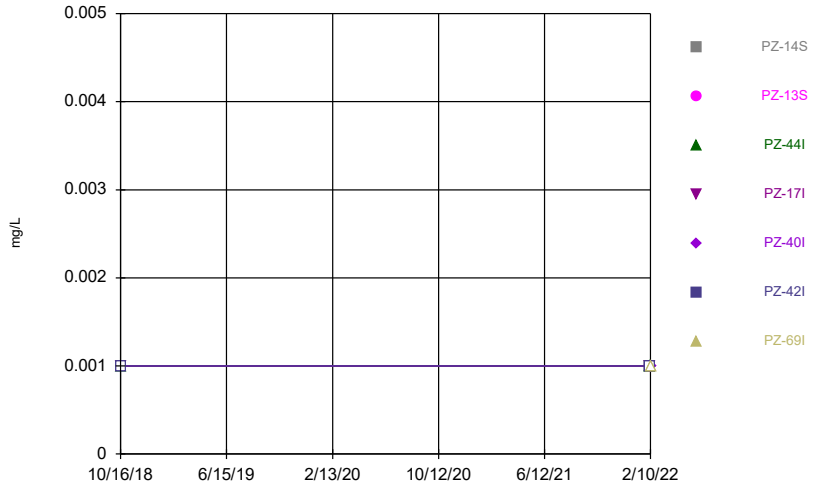
Time Series



Constituent: Lead Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

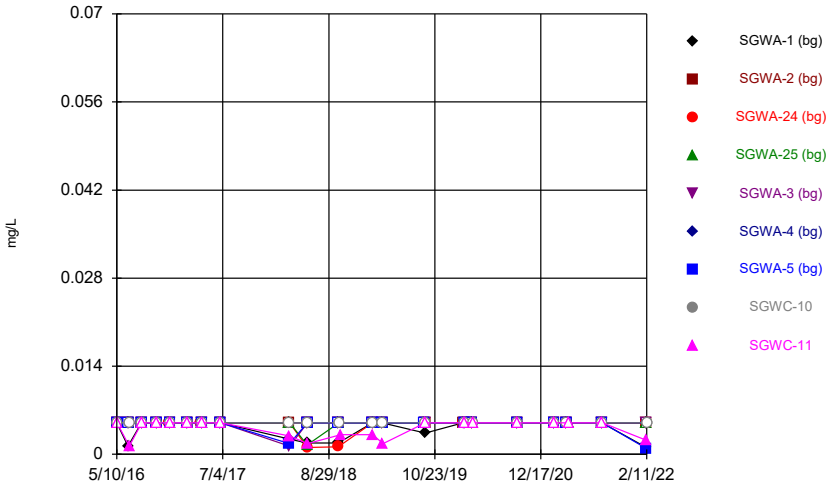
Time Series



Constituent: Lead Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

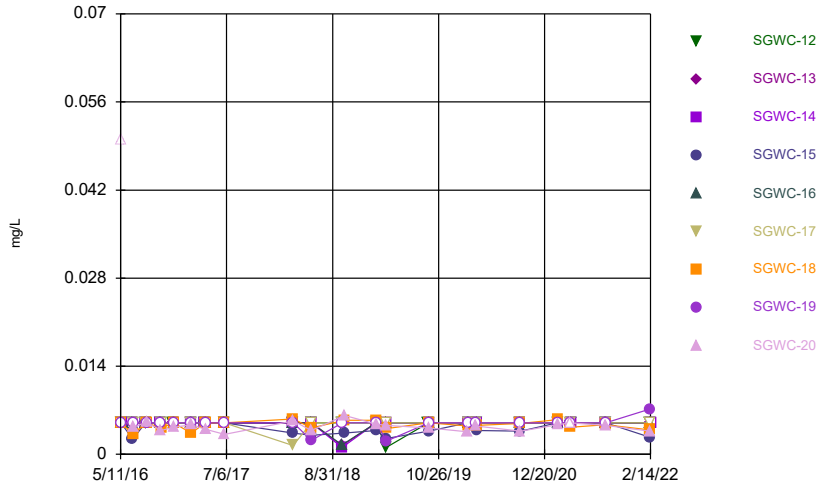
Time Series



Constituent: Lithium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

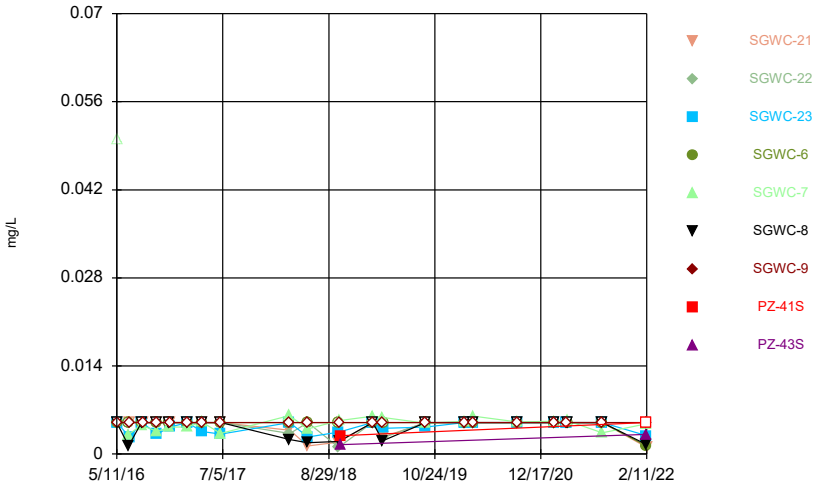
Time Series



Constituent: Lithium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

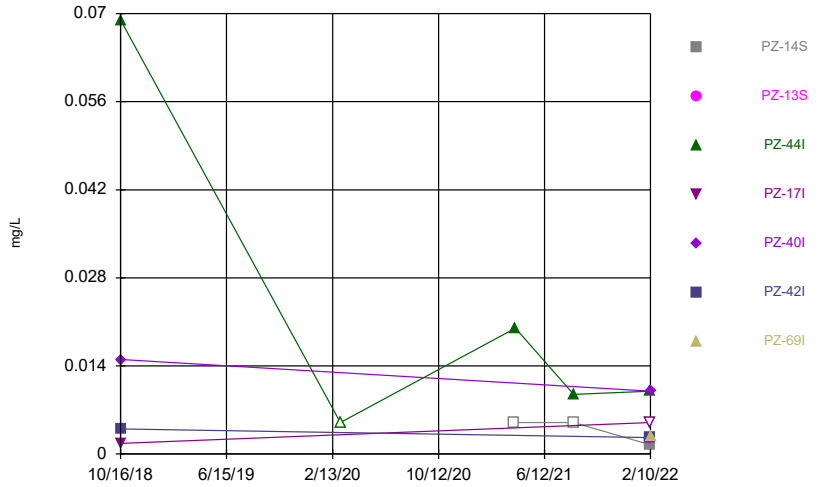
Time Series



Constituent: Lithium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

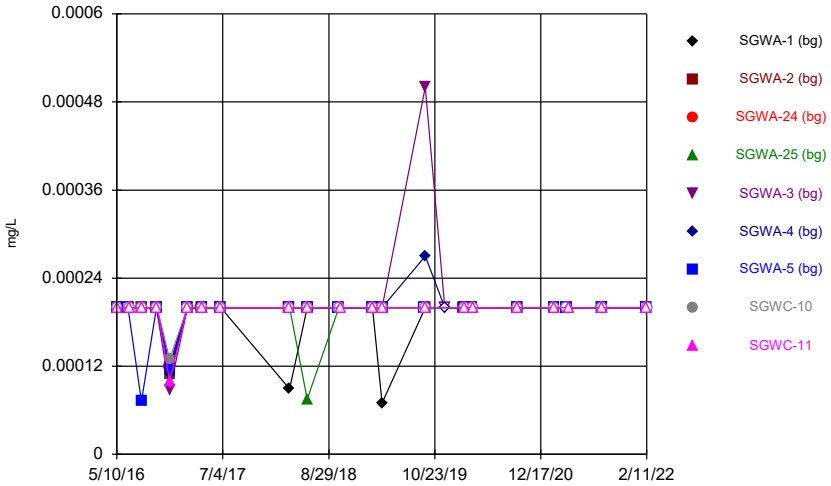
Time Series



Constituent: Lithium Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

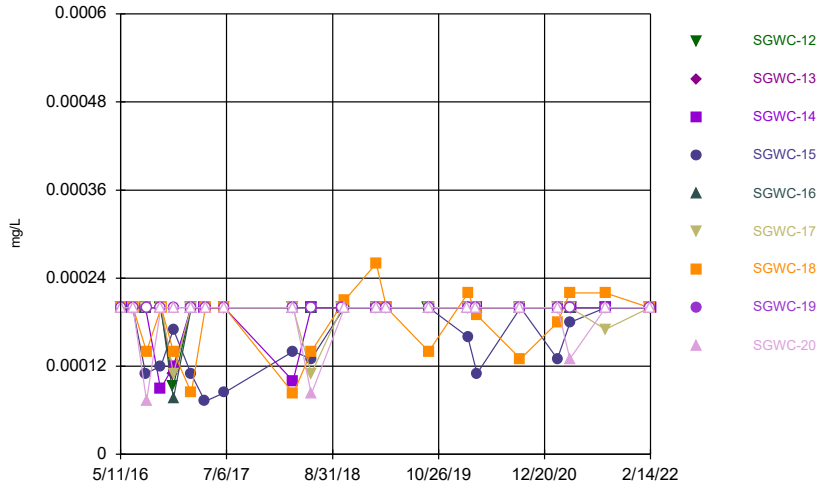
Time Series



Constituent: Mercury Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

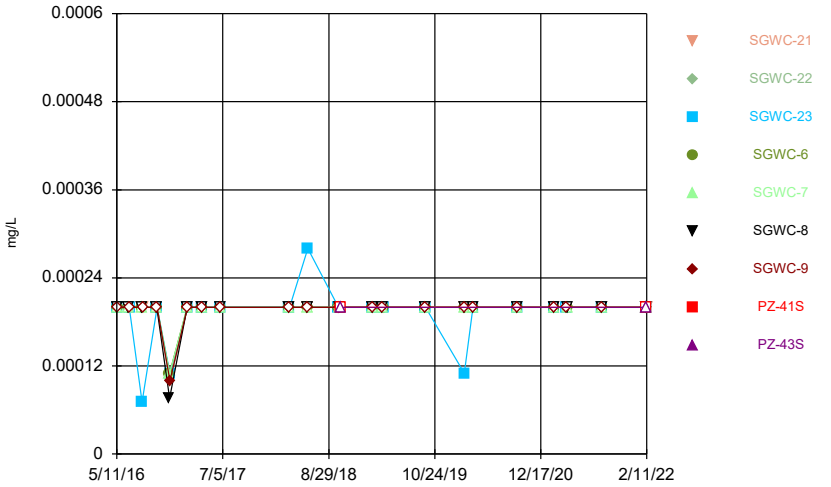
Time Series



Constituent: Mercury Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

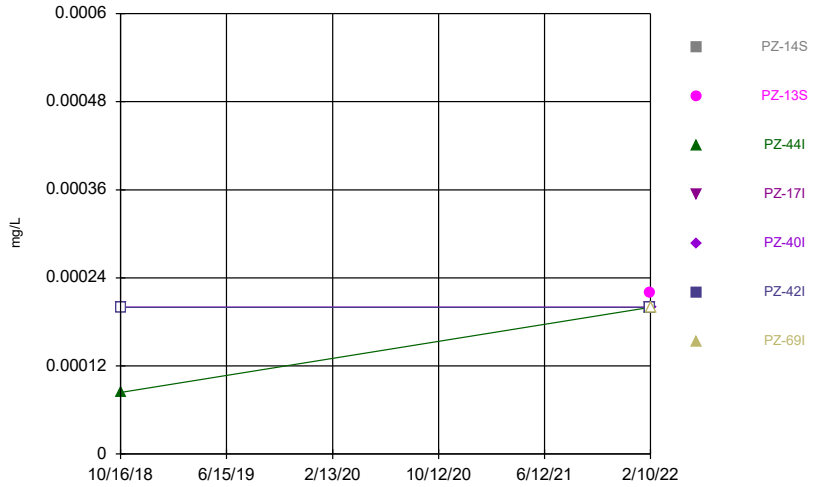
Time Series



Constituent: Mercury Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

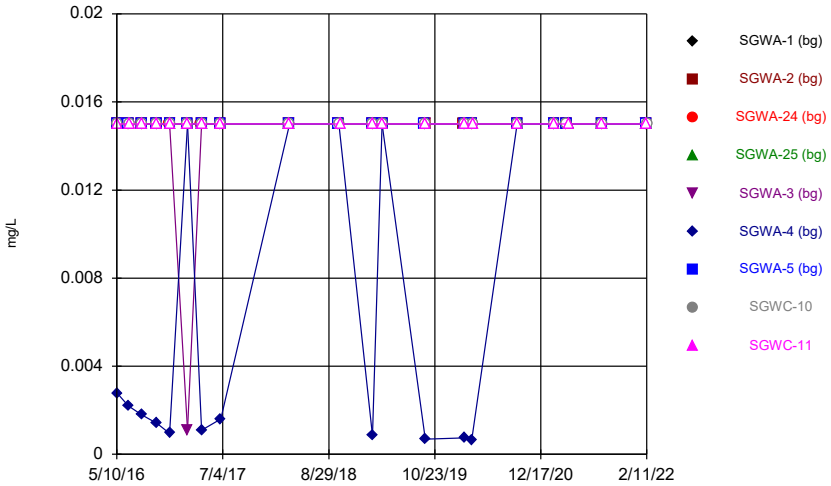
Time Series



Constituent: Mercury Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

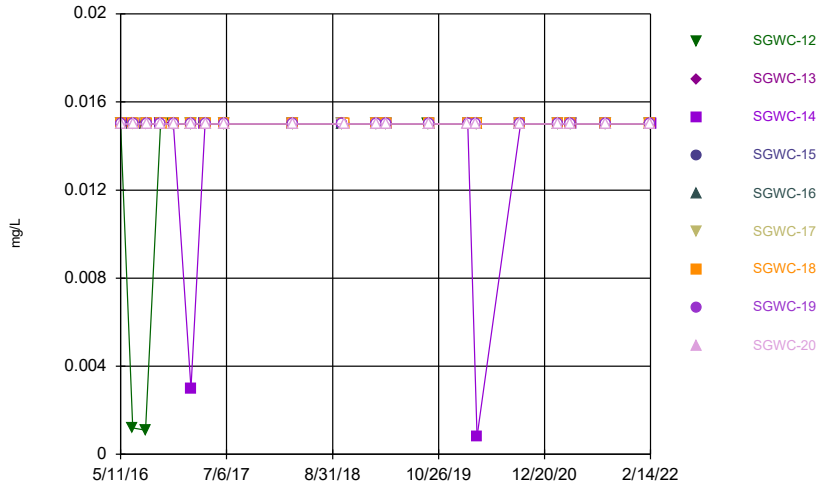
Time Series



Constituent: Molybdenum Analysis Run 6/29/2022 9:26 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

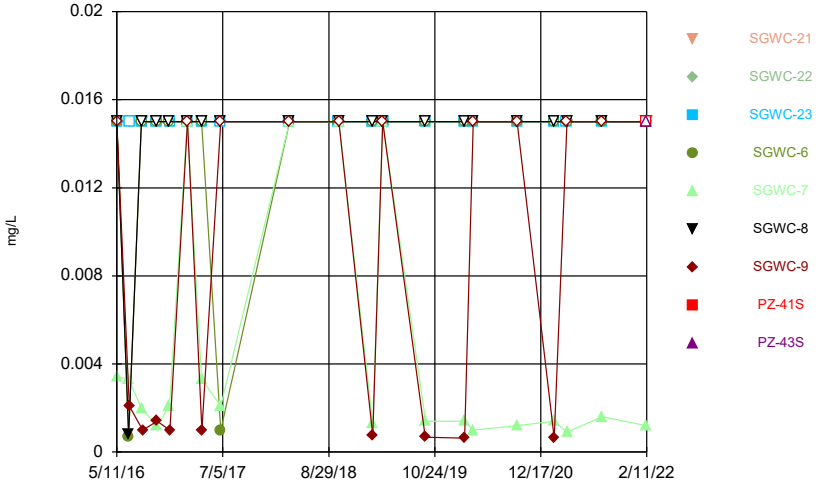
Time Series



Constituent: Molybdenum Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

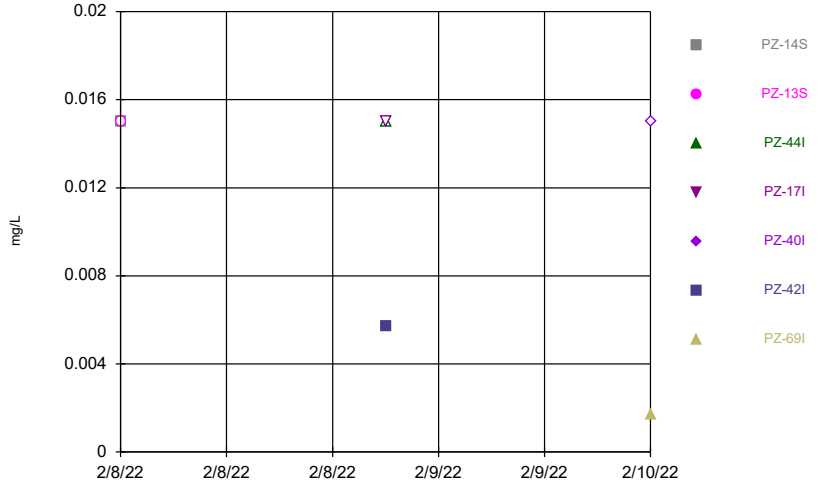
Time Series



Constituent: Molybdenum Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

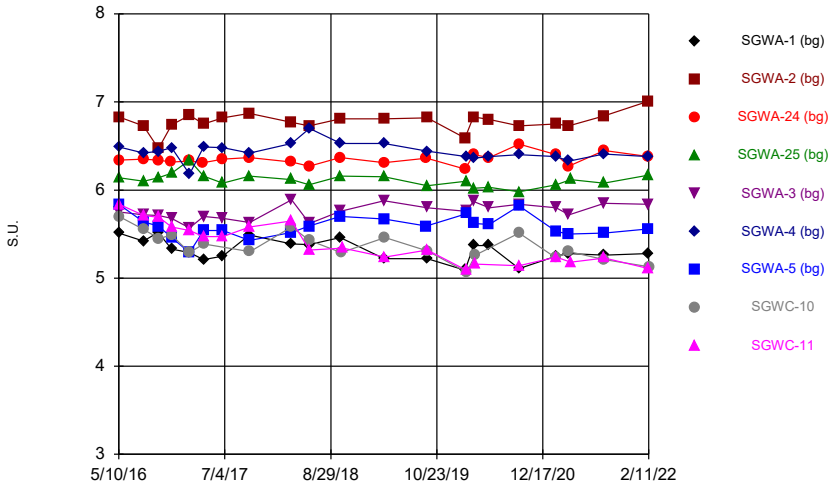
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

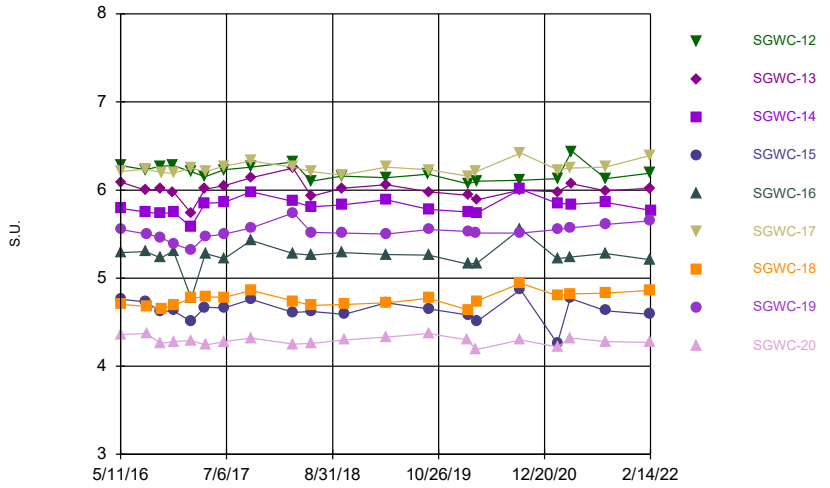
Time Series



Constituent: pH Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

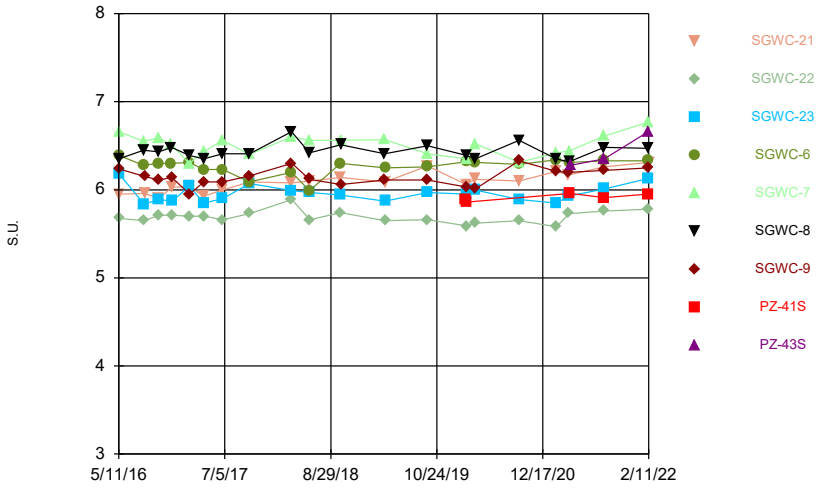
Time Series



Constituent: pH Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

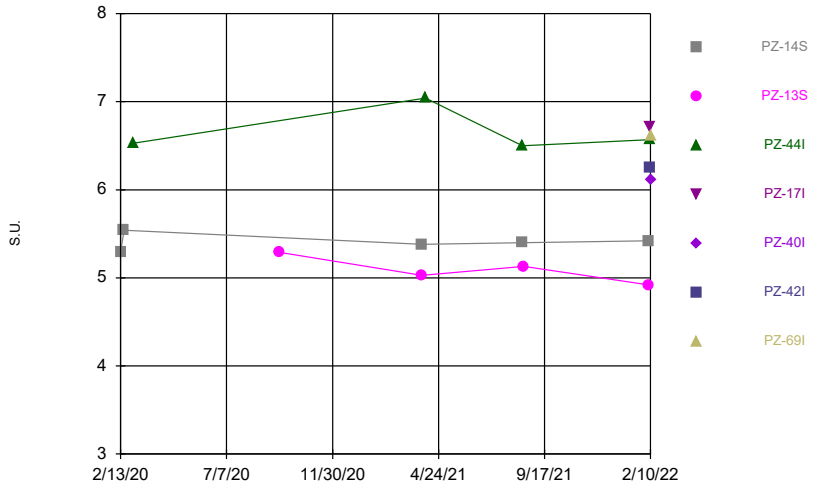
Time Series



Constituent: pH Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

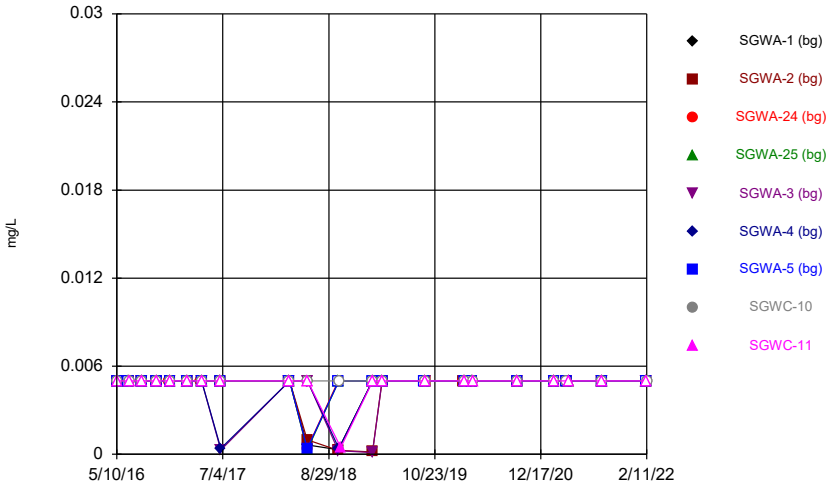
Time Series



Constituent: pH Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

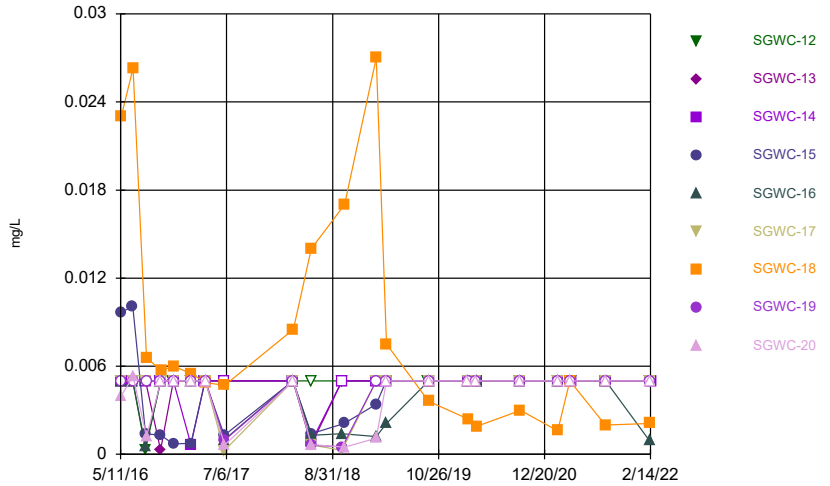
Time Series



Constituent: Selenium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

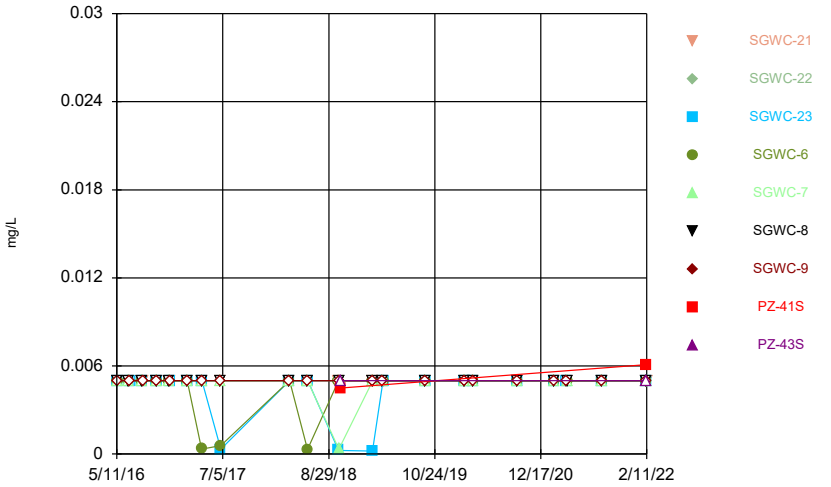
Time Series



Constituent: Selenium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

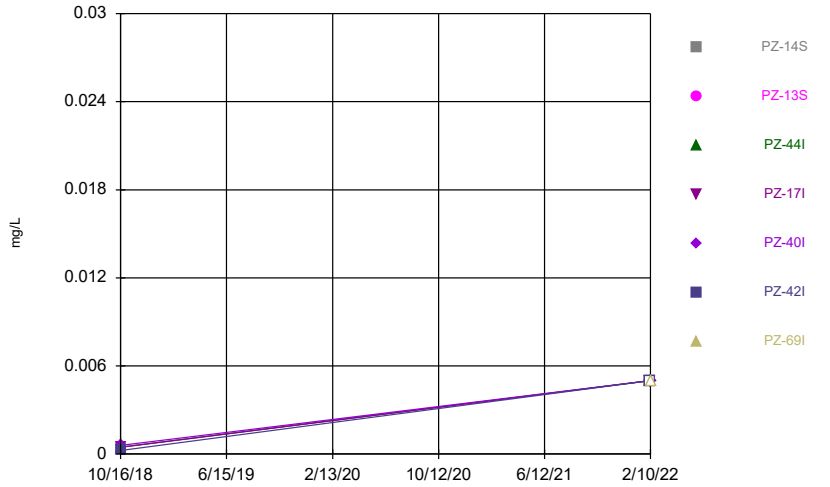
Time Series



Constituent: Selenium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

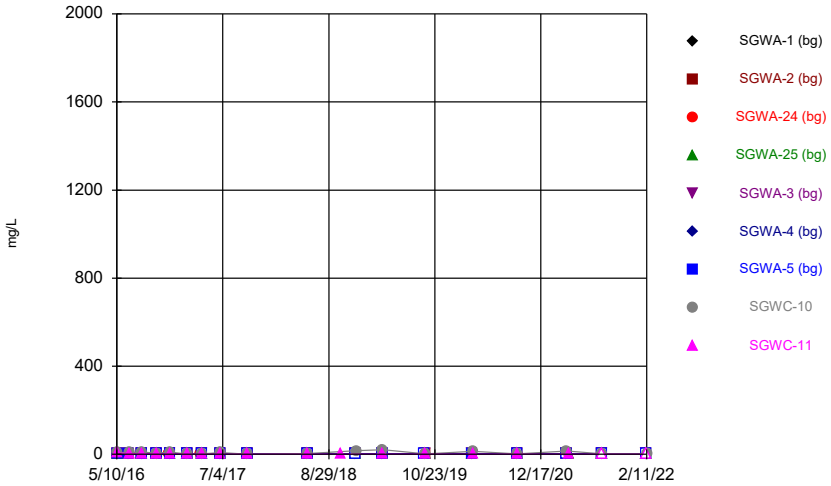
Time Series



Constituent: Selenium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

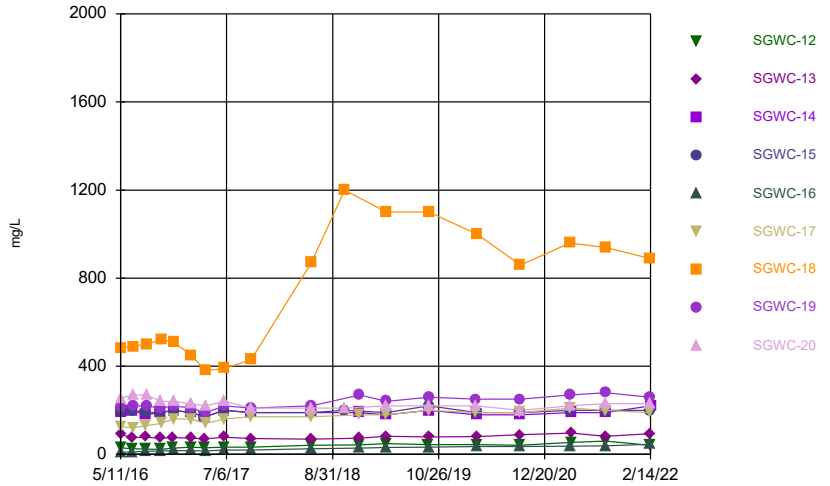
Time Series



Constituent: Sulfate, total Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

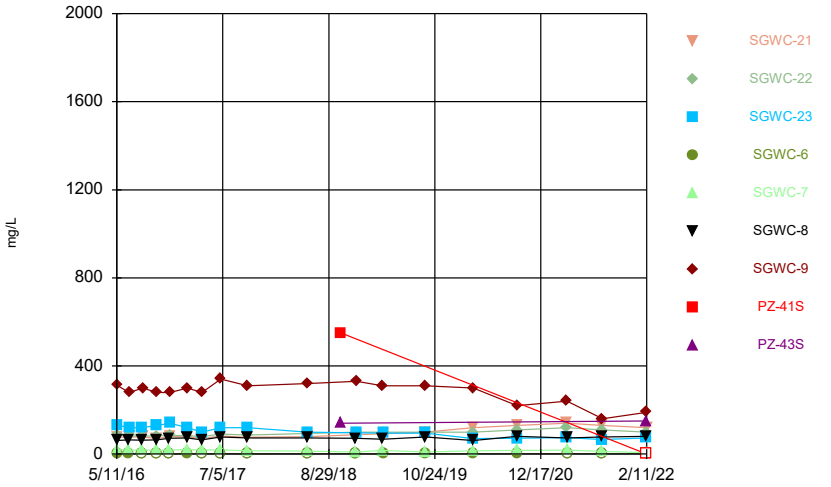
Time Series



Constituent: Sulfate, total Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

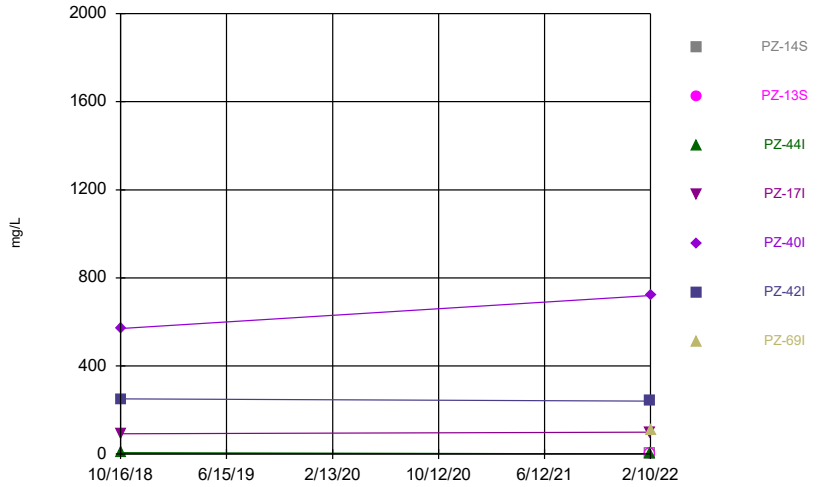
Time Series



Constituent: Sulfate, total Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

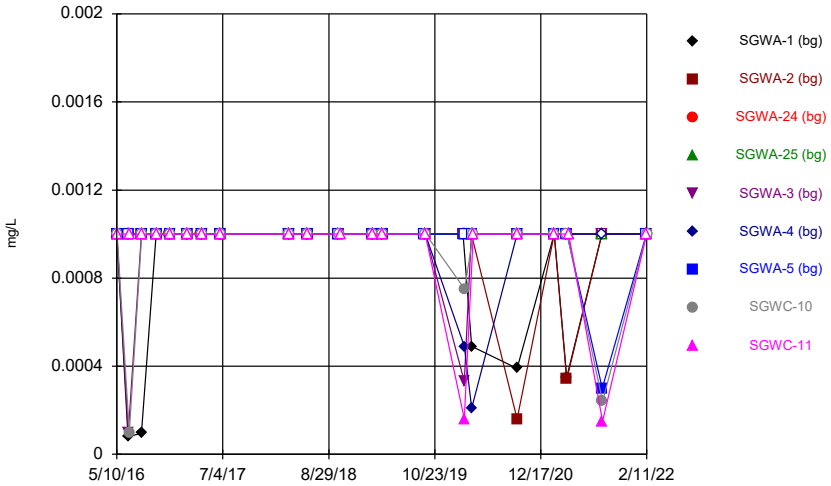
Time Series



Constituent: Sulfate, total Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

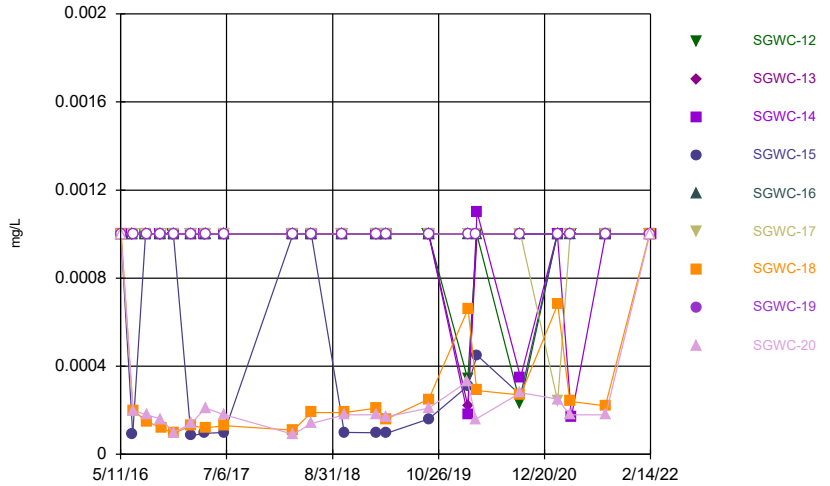
Time Series



Constituent: Thallium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

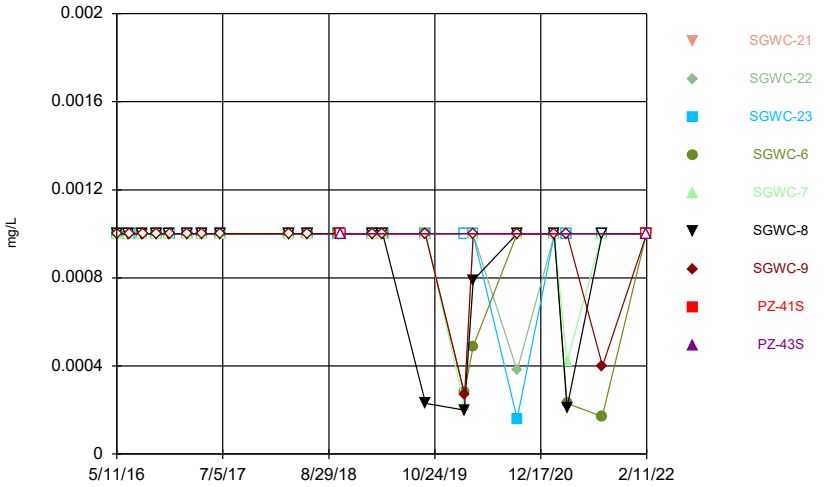
Time Series



Constituent: Thallium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

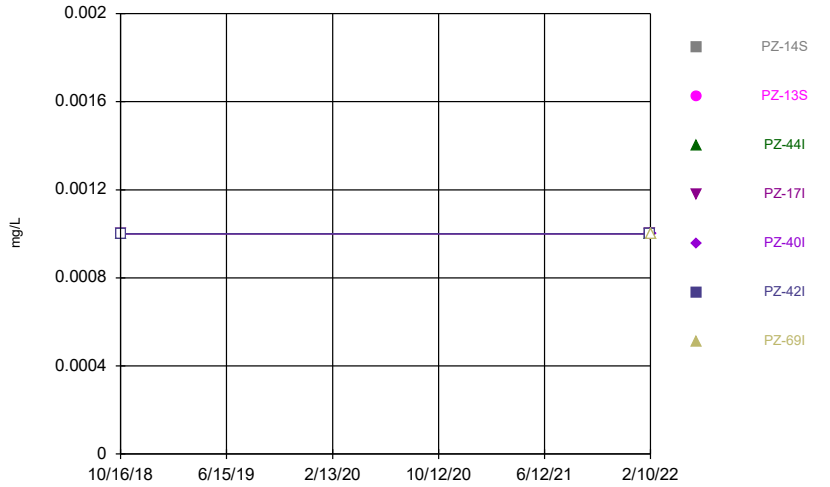
Time Series



Constituent: Thallium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

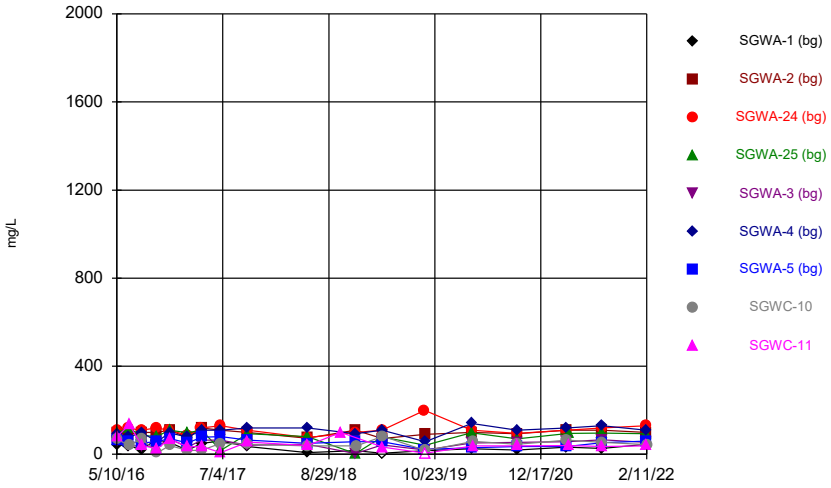
Time Series



Constituent: Thallium Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

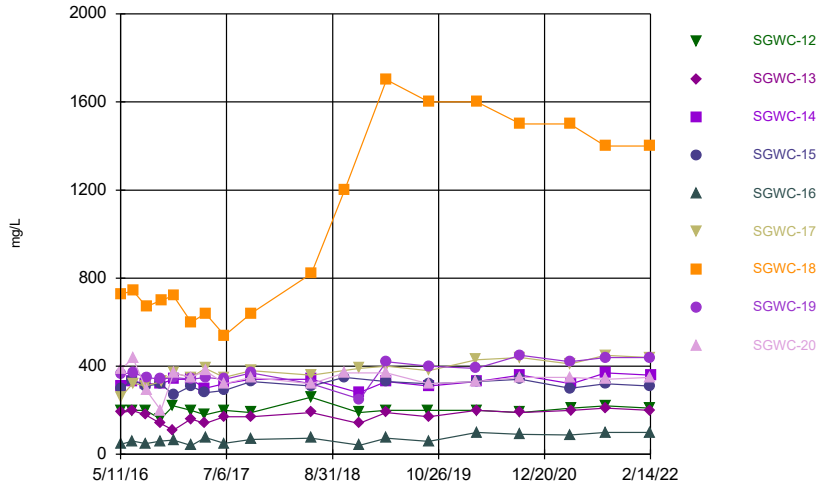
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

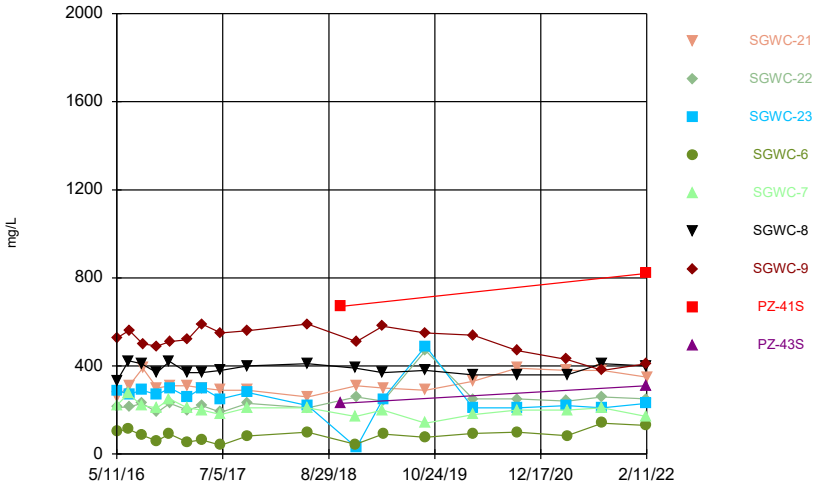
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

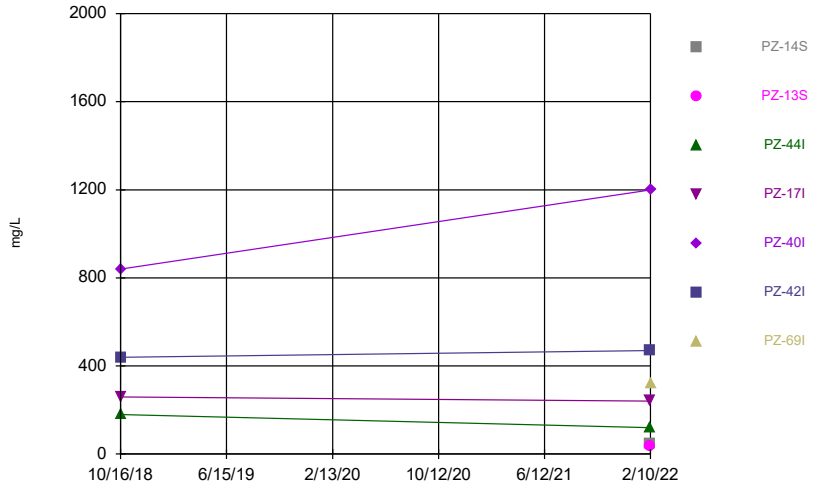
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:27 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/29/2022 9:27 AM

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	<0.002	<0.002	<0.002	<0.002		<0.002		
5/11/2016						<0.002		<0.002	<0.002
6/23/2016	0.0004 (J)	<0.002	0.0003 (J)				<0.002		
6/24/2016					0.0021 (J)	0.0007 (J)			
6/27/2016				0.0003 (J)					
6/28/2016								0.0014 (J)	<0.002
8/16/2016	0.0012 (J)	<0.002	<0.002		<0.002		<0.002		
8/17/2016				<0.002		<0.002		<0.002	<0.002
10/13/2016	<0.002		<0.002						
10/14/2016		<0.002		<0.002	<0.002		<0.002		
10/17/2016						<0.002		<0.002	<0.002
12/5/2016			<0.002						
12/6/2016	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/14/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
2/15/2017								<0.002	<0.002
4/10/2017			<0.002						
4/11/2017	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002		
4/12/2017								<0.002	<0.002
6/26/2017	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		
6/27/2017				<0.002				<0.002	<0.002
3/26/2018	<0.002	<0.002	<0.002		<0.002				
3/27/2018				<0.002		<0.002	<0.002	<0.002	<0.002
10/5/2018	<0.002	<0.002	<0.002		<0.002				
10/8/2018				<0.002		<0.002	<0.002		
10/9/2018								<0.002	
2/18/2019	<0.002	<0.002				<0.002			
2/19/2019			<0.002	<0.002	<0.002		<0.002		
2/20/2019								<0.002	<0.002
3/28/2019				<0.002	<0.002	<0.002	<0.002		
3/29/2019	<0.002	<0.002	<0.002						
2/13/2020	<0.002	<0.002	<0.002						
2/17/2020				<0.002			<0.002		
2/18/2020					<0.002	<0.002			<0.002
2/19/2020								<0.002	
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2021	<0.002	<0.002		<0.002		<0.002			
8/18/2021			<0.002		<0.002		<0.002		
8/19/2021								<0.002	<0.002
2/9/2022	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002		
2/10/2022			<0.002						<0.002
2/11/2022								<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/29/2022 9:27 AM

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	<0.002	<0.002	<0.002			<0.002
5/13/2016							<0.002	<0.002	
6/28/2016	<0.002	0.0004 (J)	<0.002	<0.002	<0.002				
6/29/2016						<0.002		<0.002	<0.002
6/30/2016							0.0012 (J)		
8/18/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
8/22/2016							<0.002	<0.002	<0.002
10/17/2016	<0.002	<0.002	<0.002						
10/18/2016				<0.002	<0.002			<0.002	<0.002
10/19/2016						<0.002	<0.002		
12/6/2016	<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 (F1)	<0.002	<0.002		<0.002			
2/16/2017					<0.002		<0.002	<0.002	<0.002
4/12/2017	<0.002	<0.002	<0.002	<0.002					
4/13/2017					<0.002	<0.002	<0.002	<0.002	<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
6/28/2017							<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
3/28/2018							<0.002	<0.002	<0.002
10/8/2018	<0.002	<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	<0.002	<0.002
2/18/2020									<0.002
2/19/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
2/20/2020							<0.002		
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002				
2/10/2021						<0.002	<0.002	<0.002	<0.002
8/18/2021						<0.002	<0.002		
8/19/2021		<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
8/20/2021	<0.002								
2/10/2022	<0.002				<0.002		<0.002		
2/11/2022		<0.002		<0.002		<0.002		<0.002	<0.002
2/14/2022			<0.002						

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/29/2022 9:27 AM

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	0.0004 (J)	<0.002			
6/29/2016	<0.002	<0.002	<0.002				<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	<0.002			
4/13/2017	<0.002	<0.002	<0.002				<0.002		
6/27/2017				<0.002	<0.002	<0.002	<0.002		
6/28/2017	<0.002	<0.002	<0.002						
3/27/2018			<0.002	<0.002	<0.002	<0.002			
3/28/2018	<0.002	<0.002					<0.002		
10/8/2018	<0.002	<0.002	<0.002	<0.002					
10/9/2018					<0.002	<0.002	<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	<0.002	<0.002			
2/19/2020							<0.002		
2/9/2021				<0.002	<0.002	<0.002	<0.002		
2/10/2021	<0.002	<0.002	<0.002						
8/18/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
8/19/2021							<0.002		
2/9/2022				<0.002	<0.002			<0.002	<0.002
2/10/2022		<0.002	<0.002			<0.002	<0.002		
2/11/2022	<0.002								

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
2/8/2022	<0.002	<0.002					
2/9/2022			<0.002	0.00061 (J)		<0.002	
2/10/2022					<0.002		<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
2/10/2022			<0.001						<0.001
2/11/2022								<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	<0.001				<0.001		0.0043		
2/11/2022		<0.001		0.0021		<0.001		<0.001	0.00081 (J)
2/14/2022			<0.001						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				<0.001	<0.001			<0.001	<0.001
2/10/2022		0.00031 (J)	<0.001			<0.001	<0.001		
2/11/2022	<0.001								

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.001				
10/18/2018				<0.001	<0.001	<0.001	
2/8/2022	<0.001	<0.001					
2/9/2022			<0.001	<0.001		<0.001	
2/10/2022					<0.001		0.00059 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.044	0.039		0.026	0.041	0.069	0.011		
2/10/2022			0.025						0.045
2/11/2022								0.025	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	0.057				0.034		0.013		
2/11/2022		0.034		0.027		0.025		0.032	0.022
2/14/2022			0.047						

Time Series

Constituent: Barium (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				0.13	0.21			0.026	0.085
2/10/2022		0.07	0.064			0.18	0.047		
2/11/2022	0.11								

Time Series

Constituent: Barium (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.014				
10/18/2018				0.055	0.089	0.1	
2/8/2022	0.033	0.049					
2/9/2022			0.0078 (J)	0.06		0.056	
2/10/2022					0.042		0.14

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
2/10/2022			<0.0025						<0.0025
2/11/2022								<0.0025	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	<0.0025				<0.0025		<0.0025		
2/11/2022		<0.0025		0.0004 (J)		<0.0025		<0.0025	0.00074 (J)
2/14/2022			<0.0025						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				<0.0025	<0.0025			<0.0025	<0.0025
2/10/2022		<0.0025	<0.0025			<0.0025	<0.0025		
2/11/2022	<0.0025								

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.0025				
10/18/2018				<0.0025	<0.0025	<0.0025	
2/8/2022	<0.0025	<0.0025					
2/9/2022			<0.0025	<0.0025		<0.0025	
2/10/2022					<0.0025		<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/9/2022	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08		
2/10/2022			<0.08						0.53
2/11/2022								0.09	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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)								
2/10/2022	<0.08				0.63		6.4		
2/11/2022		0.48		1.2		0.27		1.7	1.5
2/14/2022			1.5						

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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	
2/9/2022				<0.08	<0.08			3.2	0.9
2/10/2022		0.54	0.45			0.16	1.3		
2/11/2022	1								

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.08				
10/18/2018				0.067	3.8	2.6	
2/8/2022	<0.08	<0.08					
2/9/2022			<0.08	0.16		2.7	
2/10/2022					4.1		0.44

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

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	0.000156 (J)	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
5/11/2016						<0.0025		<0.0025	<0.0025
6/23/2016	<0.0025	<0.0025	<0.0025				<0.0025		
6/24/2016					<0.0025	<0.0025			
6/27/2016				<0.0025					
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	0.0011 (J)		
4/12/2017								<0.0025	<0.0025
6/26/2017	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
6/27/2017				<0.0025				<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025		<0.0025				
3/27/2018				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
10/5/2018	<0.0025	<0.0025	<0.0025		<0.0025				
10/8/2018				<0.0025		<0.0025	<0.0025		
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	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			<0.0025
9/17/2019								<0.0025	
2/13/2020	<0.0025	<0.0025	<0.0025						
2/17/2020				<0.0025			<0.0025		
2/18/2020					<0.0025	<0.0025			<0.0025
2/19/2020								<0.0025	
3/17/2020		<0.0025		<0.0025	<0.0025		<0.0025		
3/18/2020	<0.0025		<0.0025			<0.0025			
3/25/2020								<0.0025	<0.0025
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/30/2021	<0.0025	<0.0025	<0.0025						
3/31/2021					<0.0025	<0.0025	<0.0025	<0.0025	
4/7/2021				<0.0025					<0.0025
8/17/2021	<0.0025	<0.0025		<0.0025		<0.0025			
8/18/2021			<0.0025		<0.0025		<0.0025		
8/19/2021								<0.0025	0.00022 (J)
2/9/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/10/2022			<0.0025						<0.0025
2/11/2022								<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

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	0.000136 (J)	0.000265 (J)	<0.0025	<0.0025			0.000108 (J)
5/13/2016							0.00016 (J)	<0.0025	
6/28/2016	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025				
6/29/2016						<0.0025		<0.0025	0.0001 (J)
6/30/2016							0.0002 (J)		
8/18/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
8/22/2016							<0.0025	<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025	<0.0025						
10/18/2016				<0.0025	<0.0025			<0.0025	<0.0025
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	<0.0025
2/15/2017	<0.0025	<0.0025	<0.0025	0.00044 (J)		<0.0025			
2/16/2017					<0.0025		<0.0025	0.00036 (J)	<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025	<0.0025					
4/13/2017					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	<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	<0.0025	<0.0025			
3/28/2018							<0.0025	<0.0025	<0.0025
10/8/2018	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
10/9/2018								<0.0025	
10/16/2018				<0.0025					
10/18/2018							<0.0025		<0.0025
2/20/2019	<0.0025	<0.0025	<0.0025	0.00033 (J)	<0.0025	<0.0025	0.00023 (J)	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025	<0.0025	<0.0025					
4/2/2019					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2019	<0.0025								
9/17/2019		<0.0025	<0.0025	0.00034 (J)	<0.0025	<0.0025	0.00018 (J)	<0.0025	<0.0025
2/18/2020									<0.0025
2/19/2020	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025	<0.0025		<0.0025	
2/20/2020							0.00032 (J)		
3/23/2020								<0.0025	<0.0025
3/24/2020						<0.0025			
3/26/2020	<0.0025						<0.0025		
3/27/2020		<0.0025	0.00057 (J)	0.00042 (J)	<0.0025				
9/14/2020	<0.0025	<0.0025							
9/15/2020			<0.0025	0.00032 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025				
2/10/2021						<0.0025	0.00035 (J)	<0.0025	<0.0025
3/30/2021							<0.0025	<0.0025	<0.0025
3/31/2021				0.00027 (J)					
4/1/2021					<0.0025	<0.0025			
4/6/2021			<0.0025						
4/7/2021	<0.0025	<0.0025							
8/18/2021						<0.0025	<0.0025		
8/19/2021		<0.0025	<0.0025	0.00026 (J)	<0.0025			<0.0025	<0.0025
8/20/2021	<0.0025								
2/10/2022	<0.0025				<0.0025		<0.0025		
2/11/2022		<0.0025		0.00024 (J)		<0.0025		<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/14/2022			<0.0025						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

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	0.00039 (J)	<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		
10/8/2018	<0.0025	<0.0025	<0.0025	<0.0025					
10/9/2018					<0.0025	<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	<0.0025			
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				0.00022 (J)		0.00031 (J)	<0.0025		
3/26/2020					<0.0025				
9/14/2020				<0.0025	<0.0025	<0.0025	<0.0025		
9/15/2020	<0.0025	<0.0025	<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		
2/9/2022				<0.0025	<0.0025			<0.0025	<0.0025
2/10/2022		<0.0025	<0.0025			<0.0025	<0.0025		
2/11/2022	<0.0025								

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
2/8/2022	<0.0025	<0.0025					
2/9/2022			<0.0025	<0.0025		<0.0025	
2/10/2022					<0.0025		<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/9/2022	1.8	11		9.3	6	18	1.8		
2/10/2022			15						1.9
2/11/2022								0.55	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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								
2/10/2022	23				1.2		55		
2/11/2022		19		16		58		46	13
2/14/2022			41						

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				11	16			120	54
2/10/2022		27	23			53	37		
2/11/2022	36								

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			21				
10/18/2018				33	120	64	
2/8/2022	4	4.7					
2/9/2022			20	35		68	
2/10/2022					150		46

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/9/2022	2	1.5		1.8	2.3	1.5	1.9		
2/10/2022			2.4						8.8
2/11/2022								11	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/29/2022 9:27 AM

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								
2/10/2022	10				9.8		19		
2/11/2022		12		12		8.4		10	9.6
2/14/2022			14						

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				2.6	4			6.8	7.5
2/10/2022		10	12			12	15		
2/11/2022	11								

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			4.3				
10/18/2018				5.5	9.3	12	
2/8/2022	4.1	8.9					
2/9/2022			2.5	6.9		11	
2/10/2022					10		12

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.0017 (J)	0.014		0.0023	0.019	0.0048	<0.002		
2/10/2022			0.0048						<0.002
2/11/2022								<0.002	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	<0.002				0.012		0.01		
2/11/2022		<0.002		0.032		0.0079		0.015	<0.002
2/14/2022			<0.002						

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				<0.002	<0.002			0.0058	<0.002
2/10/2022		<0.002	0.0015 (J)			<0.002	<0.002		
2/11/2022	<0.002								

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.0046				
10/18/2018				0.0049	<0.002	<0.002	
2/8/2022	0.0018 (J)	0.003					
2/9/2022			<0.002	0.0036		<0.002	
2/10/2022					<0.002		<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.00089 (J)	<0.0025		0.00045 (J)	<0.0025	<0.0025	<0.0025		
2/10/2022			<0.0025						0.021
2/11/2022								0.023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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)								
2/10/2022	0.00079 (J)				0.0049		0.09		
2/11/2022		0.0015 (J)		0.23		0.00036 (J)		0.00045 (J)	0.14
2/14/2022			0.0065						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/29/2022 9:27 AM

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)	
2/9/2022				<0.0025	0.0024 (J)			0.00093 (J)	<0.0025
2/10/2022		0.0016 (J)	<0.0025			<0.0025	0.0022 (J)		
2/11/2022	<0.0025								

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.0021 (J)				
10/18/2018				<0.0025	0.0076	0.0064	
9/18/2020		0.0057					
4/2/2021	0.00019 (J)	0.007					
8/18/2021	0.0003 (J)						
8/20/2021		0.006					
2/8/2022	0.00028 (J)	0.0052					
2/9/2022			0.0024 (J)	<0.0025		0.00061 (J)	
2/10/2022					0.0025		0.002 (J)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.147 (U)	0.307 (U)		0.15 (U)	0.198 (U)	0.0285 (U)	0.416		
2/10/2022			0.0512 (U)						0.11 (U)
2/11/2022								0.436	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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)								
2/10/2022	0.279 (U)				0.595		0.244 (U)		
2/11/2022		0.631		0.5		0.233 (U)		0.456 (U)	0.259 (U)
2/14/2022			0.377 (U)						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/29/2022 9:27 AM

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)		
2/9/2022				0.145 (U)	0.659			0.229 (U)	0.412 (U)
2/10/2022		0.346 (U)	0.204 (U)			2.08	0.179 (U)		
2/11/2022	0.689								

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.551 (U)				
10/18/2018				0.882	1.59	0.188 (U)	
2/18/2020	0.163 (U)						
2/8/2022	0.0627 (U)	-0.0564 (U)					
2/9/2022			0.237 (U)	0.31 (U)		0.274 (U)	
2/10/2022					0.366 (U)		0.418 (U)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.034 (J)	0.11		0.069 (J)	0.049 (J)	0.083 (J)	0.044 (J)		
2/10/2022			0.061 (J)						<0.1
2/11/2022								0.03 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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)								
2/10/2022	0.06 (J)				<0.1		0.039 (J)		
2/11/2022		0.045 (J)		0.14		0.064 (J)		<0.1	0.14
2/14/2022			0.035 (J)						

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/29/2022 9:27 AM

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)		
2/9/2022				0.19	0.27			<0.1	0.028 (J)
2/10/2022		<0.1	0.066 (J)			0.44	0.098 (J)		
2/11/2022	0.092 (J)								

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.1				
10/18/2018				<0.1	<0.1	0.083 (J)	
2/8/2022	<0.1	<0.1					
2/9/2022			<0.1	0.028 (J)		0.033 (J)	
2/10/2022					<0.1		0.15

Time Series

Constituent: Lead (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
2/10/2022			<0.001						<0.001
2/11/2022								<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	0.0002 (J)				<0.001		<0.001		
2/11/2022		<0.001		<0.001		<0.001		0.00033 (J)	0.00021 (J)
2/14/2022			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				<0.001	<0.001			<0.001	<0.001
2/10/2022		<0.001	<0.001			<0.001	<0.001		
2/11/2022	<0.001								

Time Series

Constituent: Lead (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.001				
10/18/2018				<0.001	<0.001	<0.001	
2/8/2022	<0.001	<0.001					
2/9/2022			<0.001	<0.001		<0.001	
2/10/2022					<0.001		<0.001

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	0.0011 (J)	<0.005		<0.005	<0.005	<0.005	0.00094 (J)		
2/10/2022			<0.005						0.0022 (J)
2/11/2022								<0.005	

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	<0.005				<0.005		0.0039 (J)		
2/11/2022		<0.005		0.0027 (J)		<0.005		0.0072	0.0037 (J)
2/14/2022			<0.005						

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				0.0013 (J)	0.0048 (J)			<0.005	0.0031 (J)
2/10/2022		<0.005	0.0029 (J)			0.0015 (J)	<0.005		
2/11/2022	0.0011 (J)								

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.069				
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				
2/8/2022	0.0015 (J)	0.0025 (J)					
2/9/2022			0.01	<0.005		0.0026 (J)	
2/10/2022					0.01		0.0029 (J)

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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
2/9/2022	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
2/10/2022			<0.0002						<0.0002
2/11/2022								<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/29/2022 9:27 AM

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 6/29/2022 9:27 AM

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								
2/10/2022	<0.0002				<0.0002		<0.0002		
2/11/2022		<0.0002		<0.0002		<0.0002		<0.0002	<0.0002
2/14/2022			<0.0002						

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/29/2022 9:27 AM

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		
2/9/2022				<0.0002	<0.0002			<0.0002	<0.0002
2/10/2022		<0.0002	<0.0002			<0.0002	<0.0002		
2/11/2022	<0.0002								

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/29/2022 9:27 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			8.4E-05 (J)				
10/18/2018				<0.0002	<0.0002	<0.0002	
2/8/2022	<0.0002	0.00022					
2/9/2022			<0.0002	<0.0002		<0.0002	
2/10/2022					<0.0002		<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:27 AM

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	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015		
5/11/2016						0.00278 (J)		<0.015	<0.015
6/23/2016	<0.015	<0.015	<0.015				<0.015		
6/24/2016					<0.015	0.0022 (J)			
6/27/2016				<0.015					
6/28/2016								<0.015	<0.015
8/16/2016	<0.015	<0.015	<0.015		<0.015		<0.015		
8/17/2016				<0.015		0.0018 (J)		<0.015	<0.015
10/13/2016	<0.015		<0.015						
10/14/2016		<0.015		<0.015	<0.015		<0.015		
10/17/2016						0.0014 (J)		<0.015	<0.015
12/5/2016			<0.015						
12/6/2016	<0.015	<0.015		<0.015	<0.015	0.00095 (J)	<0.015	<0.015	<0.015
2/14/2017	<0.015	<0.015	<0.015	<0.015	0.0011 (J)	<0.015	<0.015		
2/15/2017								<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		
4/12/2017								<0.015	<0.015
6/26/2017	<0.015	<0.015	<0.015		<0.015	0.0016 (J)	<0.015		
6/27/2017				<0.015				<0.015	<0.015
3/26/2018	<0.015	<0.015	<0.015		<0.015				
3/27/2018				<0.015		<0.015	<0.015	<0.015	<0.015
10/5/2018	<0.015	<0.015	<0.015		<0.015				
10/8/2018				<0.015		<0.015	<0.015		
10/9/2018								<0.015	
10/16/2018									<0.015
2/18/2019	<0.015	<0.015				0.00085 (J)			
2/19/2019			<0.015	<0.015	<0.015		<0.015		
2/20/2019								<0.015	<0.015
3/28/2019				<0.015	<0.015	<0.015	<0.015		
3/29/2019	<0.015	<0.015	<0.015						
4/1/2019								<0.015	<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)			<0.015
9/17/2019								<0.015	
2/13/2020	<0.015	<0.015	<0.015						
2/17/2020				<0.015			<0.015		
2/18/2020					<0.015	0.00075 (J)			<0.015
2/19/2020								<0.015	
3/17/2020		<0.015		<0.015	<0.015		<0.015		
3/18/2020	<0.015		<0.015			0.00064 (J)			
3/25/2020								<0.015	<0.015
9/14/2020	<0.015	<0.015	<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	<0.015	<0.015
3/30/2021	<0.015	<0.015	<0.015						
3/31/2021					<0.015	<0.015	<0.015	<0.015	
4/7/2021				<0.015					<0.015
8/17/2021	<0.015	<0.015		<0.015		<0.015			
8/18/2021			<0.015		<0.015		<0.015		
8/19/2021								<0.015	<0.015
2/9/2022	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/10/2022			<0.015						<0.015
2/11/2022								<0.015	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:27 AM

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	<0.015								
5/12/2016		<0.015	<0.015	<0.015	<0.015	<0.015			<0.015
5/13/2016							<0.015	<0.015	
6/28/2016	0.0012 (J)	<0.015	<0.015	<0.015	<0.015				
6/29/2016						<0.015		<0.015	<0.015
6/30/2016							<0.015		
8/18/2016	0.0011 (J)	<0.015	<0.015	<0.015	<0.015	<0.015			
8/22/2016							<0.015	<0.015	<0.015
10/17/2016	<0.015	<0.015	<0.015						
10/18/2016				<0.015	<0.015			<0.015	<0.015
10/19/2016						<0.015	<0.015		
12/6/2016	<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	0.003 (J)	<0.015		<0.015			
2/16/2017					<0.015		<0.015	<0.015	<0.015
4/12/2017	<0.015	<0.015	<0.015	<0.015					
4/13/2017					<0.015	<0.015	<0.015	<0.015	<0.015
6/27/2017	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
6/28/2017							<0.015	<0.015	<0.015
3/27/2018	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
3/28/2018							<0.015	<0.015	<0.015
10/8/2018	<0.015	<0.015	<0.015		<0.015	<0.015			
10/9/2018								<0.015	
10/16/2018				<0.015					
10/18/2018							<0.015		<0.015
2/20/2019	<0.015	<0.015	<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					
4/2/2019					<0.015	<0.015	<0.015	<0.015	<0.015
9/16/2019	<0.015								
9/17/2019		<0.015	<0.015	<0.015	<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		<0.015	
2/20/2020							<0.015		
3/23/2020								<0.015	<0.015
3/24/2020						<0.015			
3/26/2020	<0.015						<0.015		
3/27/2020		<0.015	0.00081 (J)	<0.015	<0.015				
9/14/2020	<0.015	<0.015							
9/15/2020			<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				
2/10/2021						<0.015	<0.015	<0.015	<0.015
3/30/2021							<0.015	<0.015	<0.015
3/31/2021				<0.015					
4/1/2021					<0.015	<0.015			
4/6/2021			<0.015						
4/7/2021	<0.015	<0.015							
8/18/2021						<0.015	<0.015		
8/19/2021		<0.015	<0.015	<0.015	<0.015			<0.015	<0.015
8/20/2021	<0.015								
2/10/2022	<0.015				<0.015		<0.015		
2/11/2022		<0.015		<0.015		<0.015		<0.015	<0.015

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:27 AM

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
2/14/2022			<0.015						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:28 AM

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				<0.015	0.00343 (J)	<0.015	<0.015		
5/12/2016	<0.015	<0.015	<0.015						
6/27/2016				0.0007 (J)	0.0033 (J)	0.0008 (J)			
6/29/2016	<0.015	<0.015	<0.015				0.0021 (J)		
8/17/2016				<0.015	0.002 (J)	<0.015			
8/19/2016		<0.015	<0.015						
8/22/2016	<0.015						0.00099 (J)		
10/17/2016				<0.015		<0.015			
10/18/2016	<0.015	<0.015	<0.015		0.0012 (J)		0.0014 (J)		
12/6/2016				<0.015	0.0021 (J)	<0.015			
12/7/2016	<0.015	<0.015	<0.015				0.001 (J)		
2/14/2017				<0.015	<0.015	<0.015			
2/15/2017			<0.015						
2/16/2017	<0.015	<0.015					<0.015		
4/12/2017				<0.015	0.0033 (J)	<0.015			
4/13/2017	<0.015	<0.015	<0.015				0.001 (J)		
6/27/2017				0.00099 (J)	0.0021 (J)	<0.015	<0.015		
6/28/2017	<0.015	<0.015	<0.015						
3/27/2018			<0.015	<0.015	<0.015	<0.015			
3/28/2018	<0.015	<0.015					<0.015		
10/8/2018	<0.015	<0.015	<0.015	<0.015					
10/9/2018					<0.015	<0.015	<0.015		
2/19/2019		<0.015	<0.015						
2/20/2019	<0.015			<0.015	0.0013 (J)	<0.015	0.00075 (J)		
4/1/2019					<0.015	<0.015	<0.015		
4/2/2019	<0.015	<0.015	<0.015	<0.015					
9/16/2019				<0.015			0.00067 (J)		
9/17/2019	<0.015				0.0014 (J)	<0.015			
9/18/2019		<0.015	<0.015						
2/18/2020	<0.015	<0.015	<0.015	<0.015	0.0014 (J)	<0.015			
2/19/2020							0.00063 (J)		
3/23/2020	<0.015								
3/24/2020		<0.015	<0.015						
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		
9/15/2020	<0.015	<0.015	<0.015						
2/9/2021				<0.015	0.0014 (J)	<0.015	0.00063 (J)		
2/10/2021	<0.015	<0.015	<0.015						
3/30/2021	<0.015								
3/31/2021		<0.015	<0.015				<0.015		
4/1/2021				<0.015	0.0009 (J)	<0.015			
8/18/2021	<0.015	<0.015	<0.015	<0.015	0.0016 (J)	<0.015			
8/19/2021							<0.015		
2/9/2022				<0.015	0.0012 (J)			<0.015	<0.015
2/10/2022		<0.015	<0.015			<0.015	<0.015		
2/11/2022	<0.015								

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
2/8/2022	<0.015	<0.015					
2/9/2022			<0.015	<0.015		0.0057 (J)	
2/10/2022					<0.015		0.0017 (J)

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

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
2/9/2022	5.28	7.01		6.17	5.84	6.38	5.56		
2/10/2022			6.38						5.11

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

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
2/11/2022								5.13	

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

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								
2/10/2022	6.19				5.21		4.86		

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

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
2/11/2022		6.02		4.59		6.39		5.65	4.27
2/14/2022			5.77						

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

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	
2/9/2022				6.33	6.77			5.95	6.66
2/10/2022		5.78	6.13			6.47	6.25		
2/11/2022	6.31								

Time Series

Constituent: pH (S.U.) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
2/13/2020	5.29						
2/18/2020	5.54						
3/2/2020			6.53				
9/18/2020		5.29					
4/2/2021	5.38	5.03					
4/7/2021			7.04				
8/18/2021	5.4		6.5				
8/20/2021		5.13					
2/8/2022	5.42	4.92					
2/9/2022			6.57	6.71		6.25	
2/10/2022					6.11		6.61

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/29/2022 9:28 AM

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 6/29/2022 9:28 AM

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
2/9/2022	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
2/10/2022			<0.005						<0.005
2/11/2022								<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/29/2022 9:28 AM

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 6/29/2022 9:28 AM

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								
2/10/2022	<0.005				0.00092 (J)		0.0021 (J)		
2/11/2022		<0.005		<0.005		<0.005		<0.005	<0.005
2/14/2022			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/29/2022 9:28 AM

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		
2/9/2022				<0.005	<0.005			0.0061	<0.005
2/10/2022		<0.005	<0.005			<0.005	<0.005		
2/11/2022	<0.005								

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			0.00046 (J)				
10/18/2018				0.00047 (J)	0.00059 (J)	0.00026 (J)	
2/8/2022	<0.005	<0.005					
2/9/2022			<0.005	<0.005		<0.005	
2/10/2022					<0.005		<0.005

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/29/2022 9:28 AM

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
2/9/2022	1	1.2		<1	1.3	1.1	<1		
2/10/2022			<1						<1
2/11/2022								2.1	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/29/2022 9:28 AM

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								
2/10/2022	41				45		890		
2/11/2022		94		200		190		260	230
2/14/2022			220						

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/29/2022 9:28 AM

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		
2/9/2022				0.88 (J)	7.1			<1	150
2/10/2022		100	73			80	190		
2/11/2022	120								

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			6				
10/18/2018				92	570	250	
2/8/2022	<1	<1					
2/9/2022			0.76 (J)	100		240	
2/10/2022					720		110

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/29/2022 9:28 AM

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 6/29/2022 9:28 AM

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)
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		
2/10/2022			<0.001						<0.001
2/11/2022								<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/29/2022 9:28 AM

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 6/29/2022 9:28 AM

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								
2/10/2022	<0.001				<0.001		<0.001		
2/11/2022		<0.001		<0.001		<0.001		<0.001	<0.001
2/14/2022			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/29/2022 9:28 AM

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)		
2/9/2022				<0.001	<0.001			<0.001	<0.001
2/10/2022		<0.001	<0.001			<0.001	<0.001		
2/11/2022	<0.001								

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			<0.001				
10/18/2018				<0.001	<0.001	<0.001	
2/8/2022	<0.001	<0.001					
2/9/2022			<0.001	<0.001		<0.001	
2/10/2022					<0.001		<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/29/2022 9:28 AM

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
2/9/2022	45	100		93	54	110	60		
2/10/2022			130						39
2/11/2022								44	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/29/2022 9:28 AM

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								
2/10/2022	210				100		1400		
2/11/2022		200		310		440		440	350
2/14/2022			360						

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/29/2022 9:28 AM

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		
2/9/2022				130	170			820	310
2/10/2022		250	230			400	410		
2/11/2022	350								

Time Series

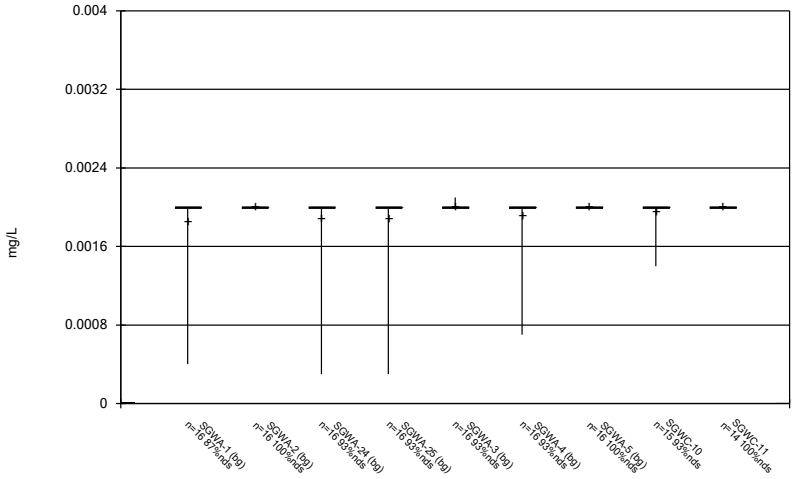
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/29/2022 9:28 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-14S	PZ-13S	PZ-44I	PZ-17I	PZ-40I	PZ-42I	PZ-69I
10/16/2018			180				
10/18/2018				260	840	440	
2/8/2022	48	37					
2/9/2022			120	240		470	
2/10/2022					1200		320

FIGURE B.

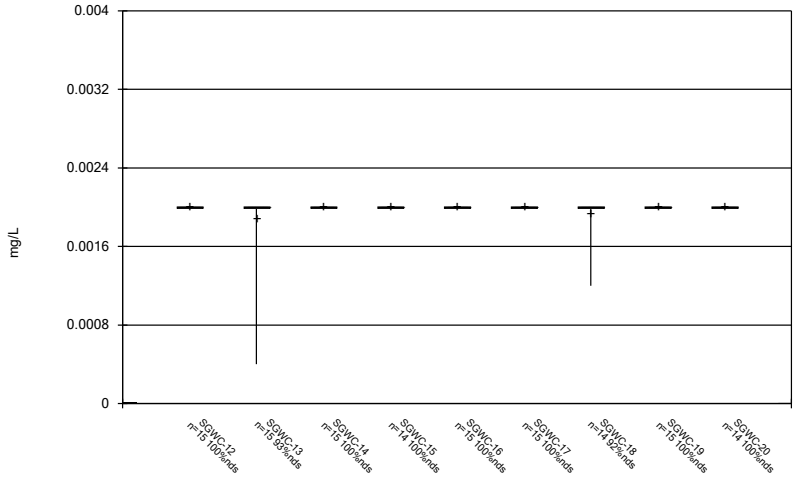
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/29/2022 9:28 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

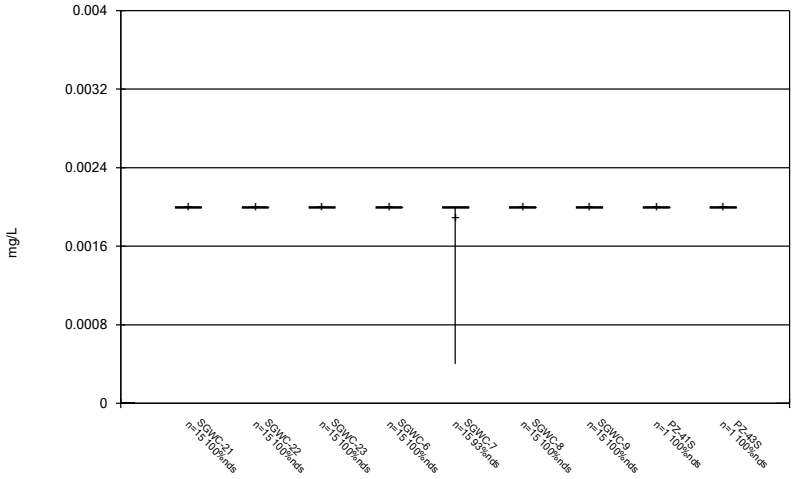
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/29/2022 9:28 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

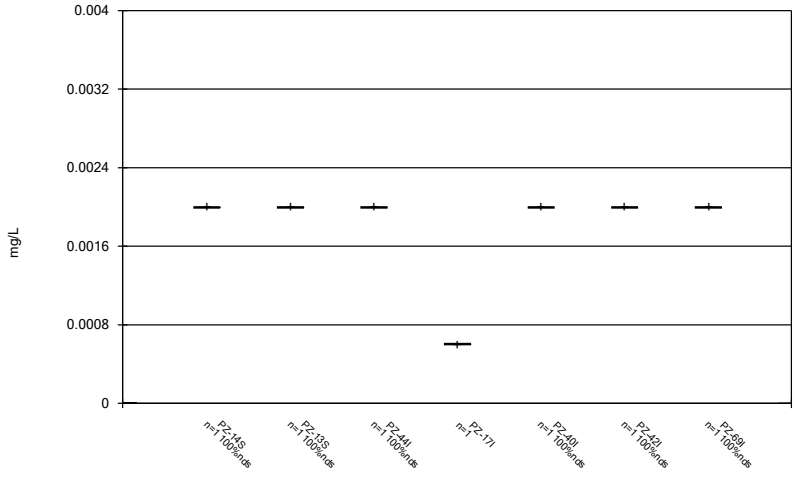
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/29/2022 9:28 AM
Plant Scherer Client: Southern Company Data: Scherer AP

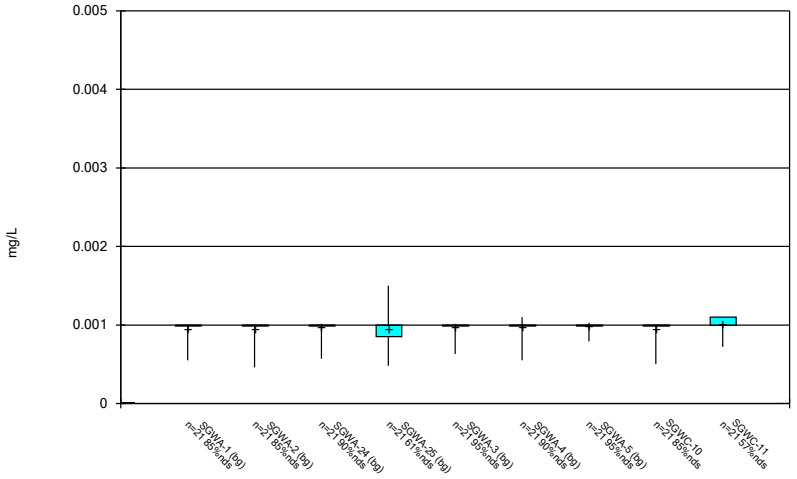
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

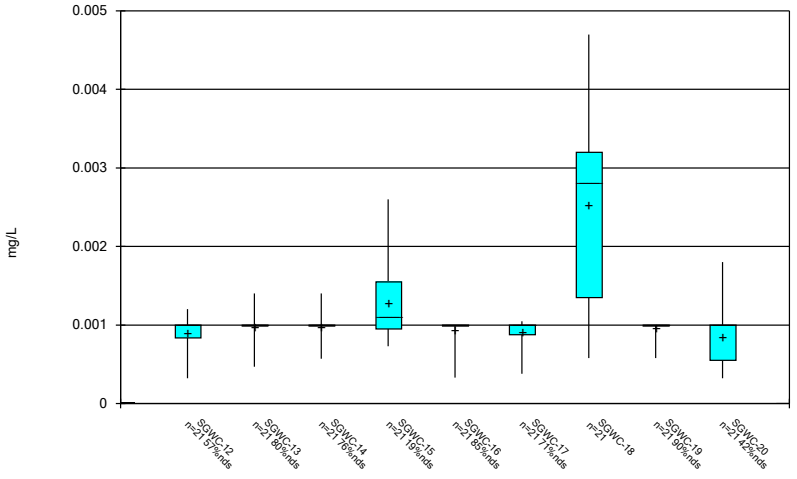


Constituent: Arsenic Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

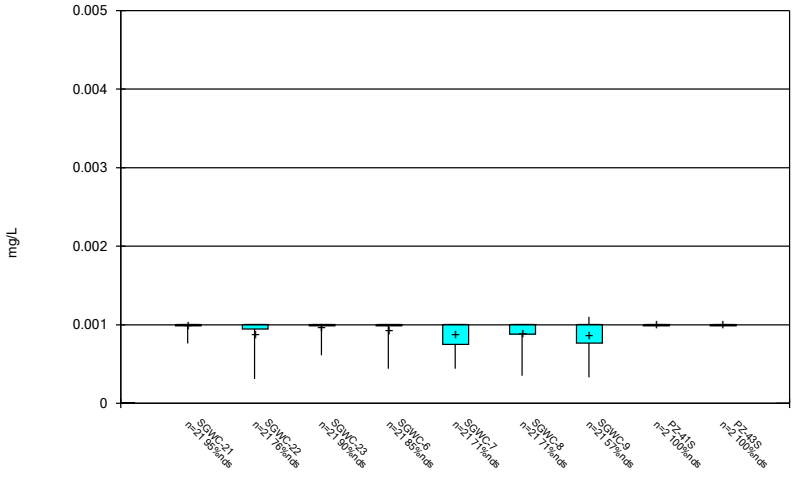


Constituent: Arsenic Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

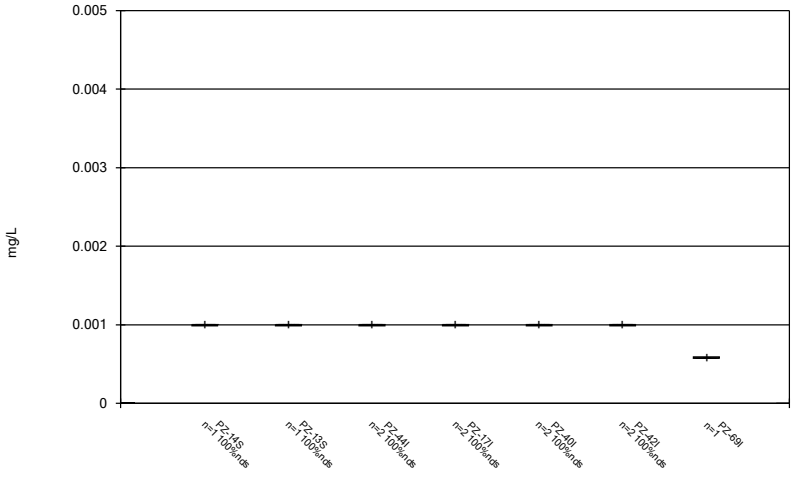


Constituent: Arsenic Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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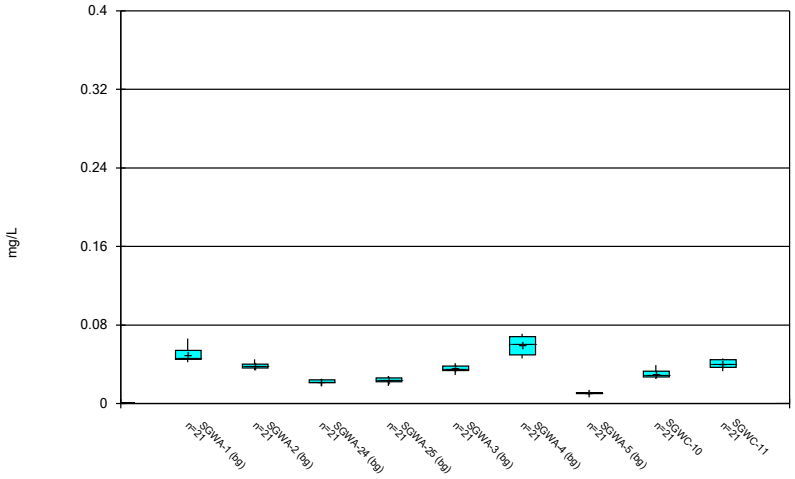
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

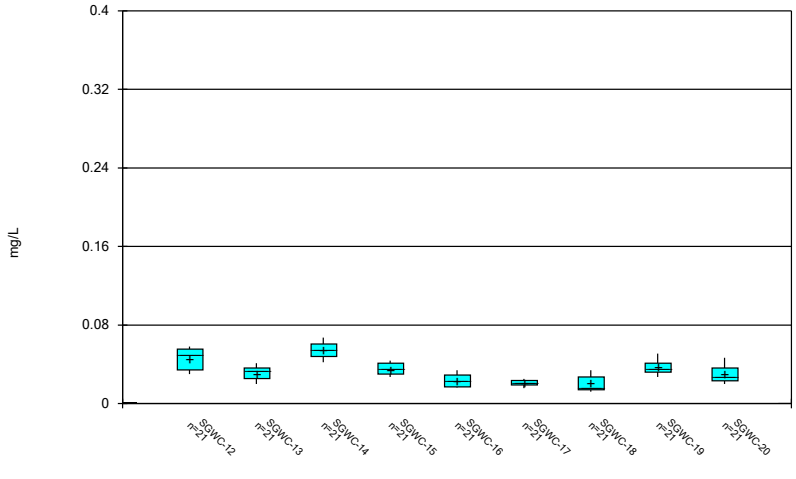


Constituent: Barium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

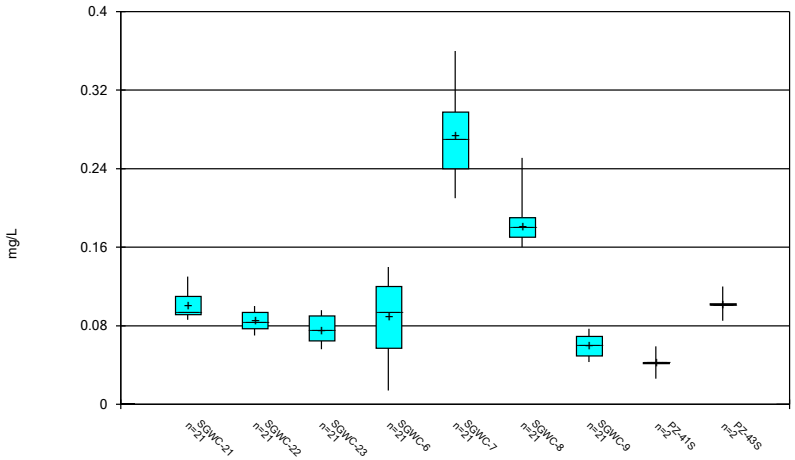


Constituent: Barium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

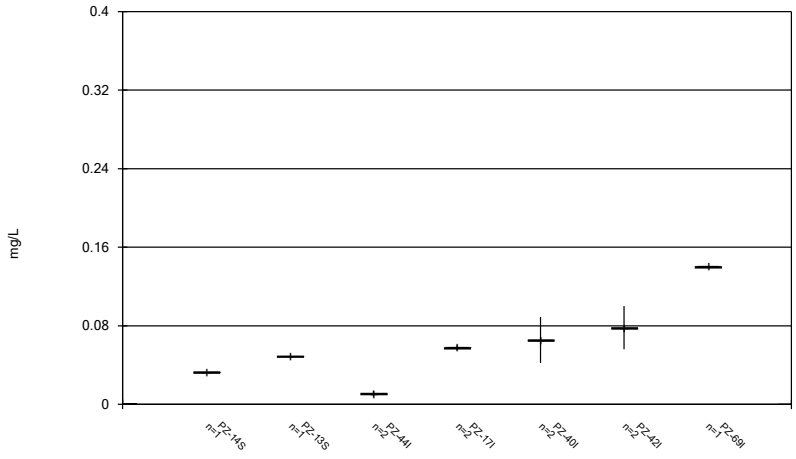


Constituent: Barium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

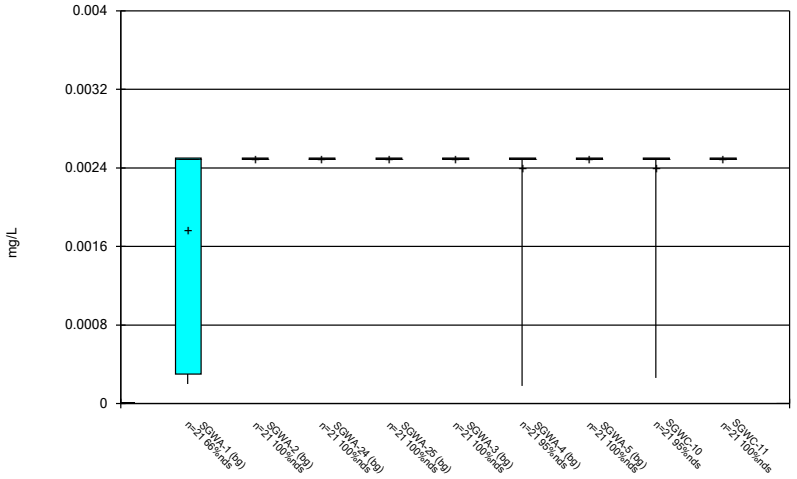
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

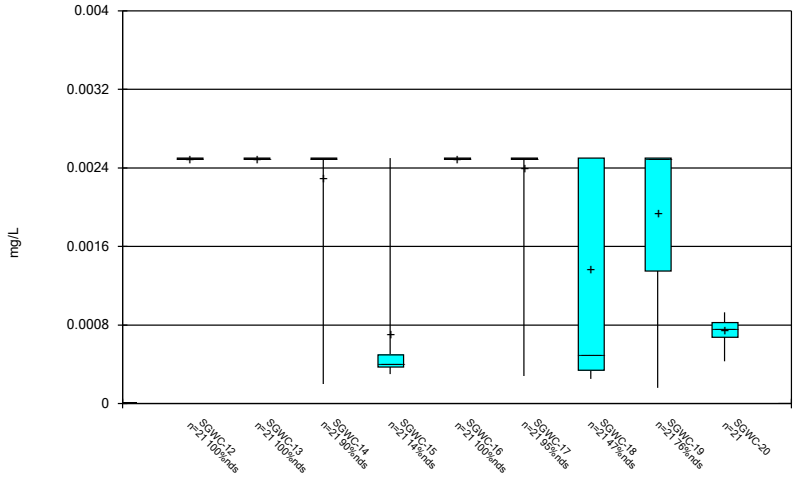


Constituent: Beryllium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

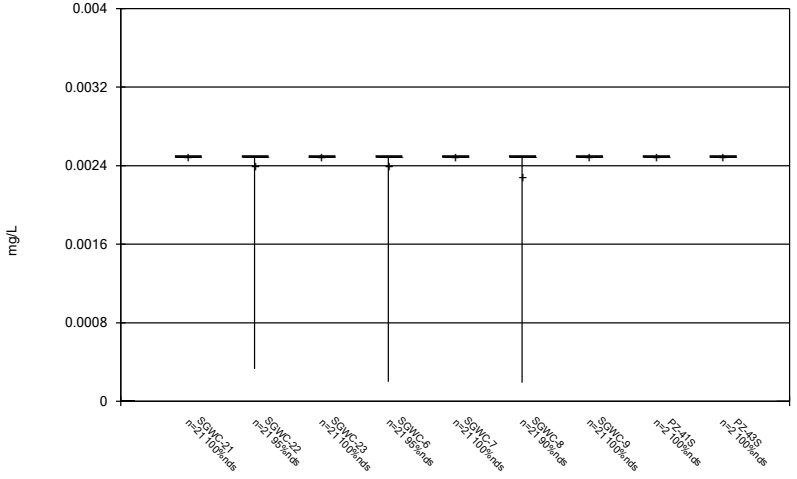


Constituent: Beryllium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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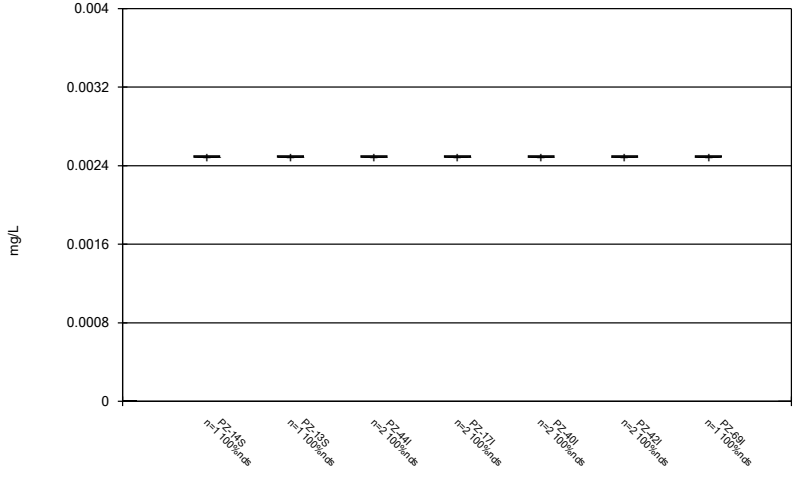
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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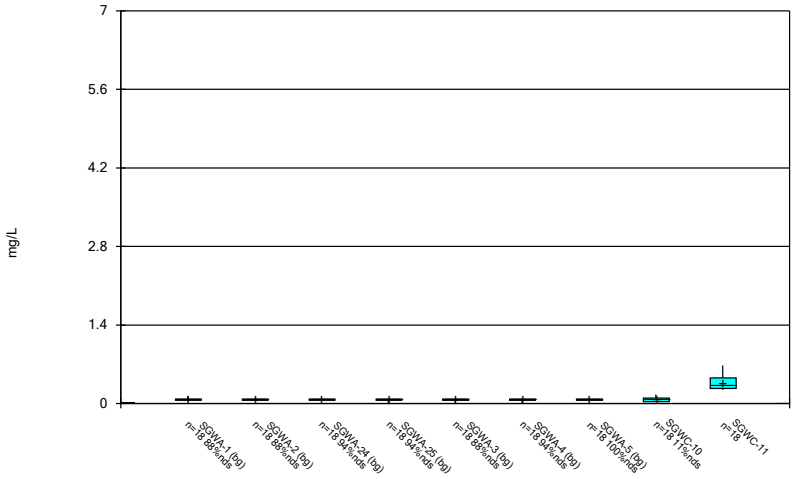
Plant Scherer Client: Southern Company Data: Scherer AP

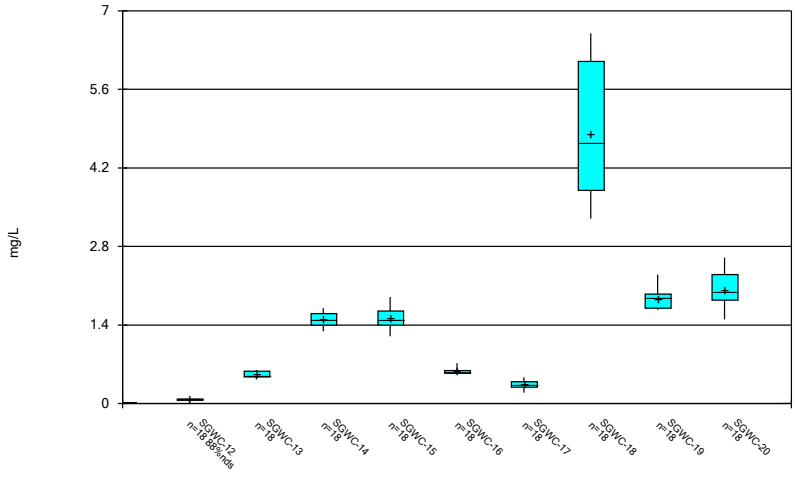
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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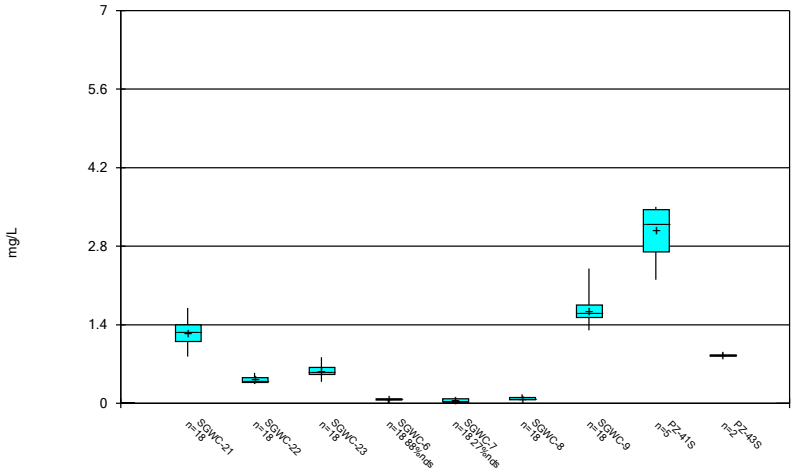
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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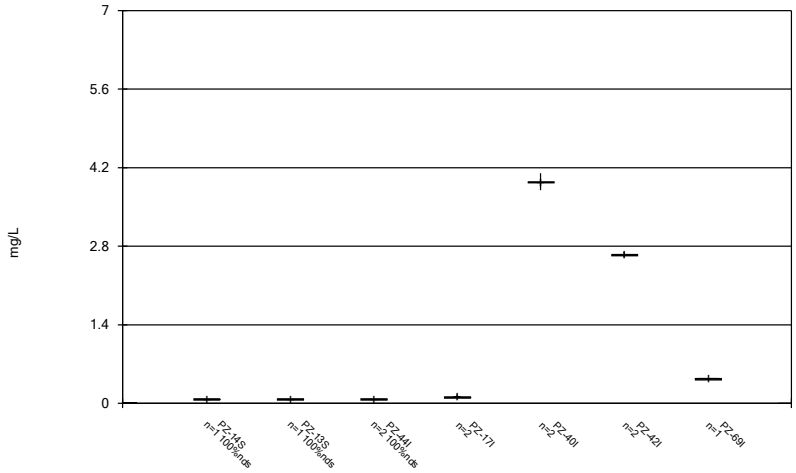
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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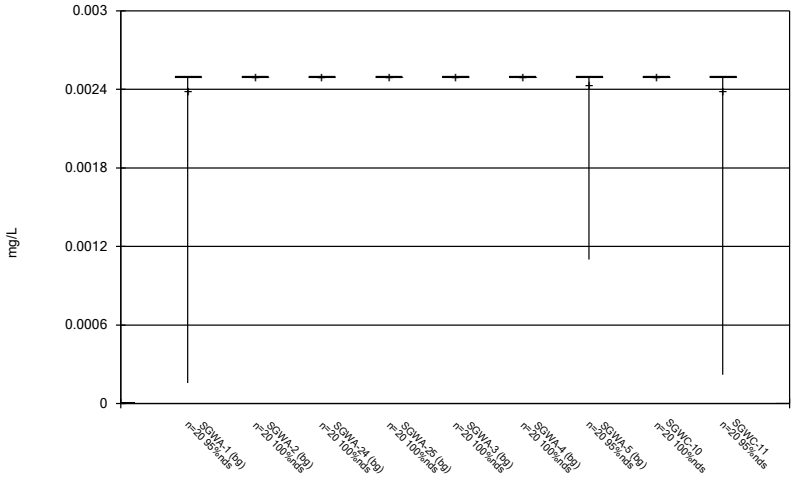
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

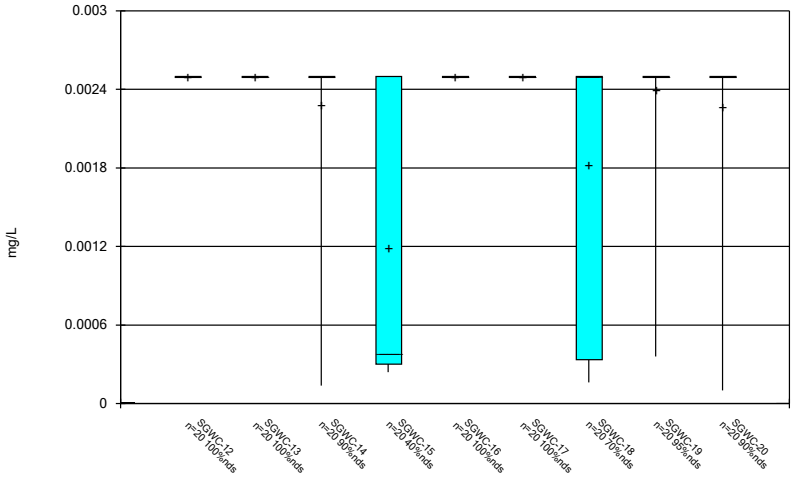


Constituent: Cadmium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

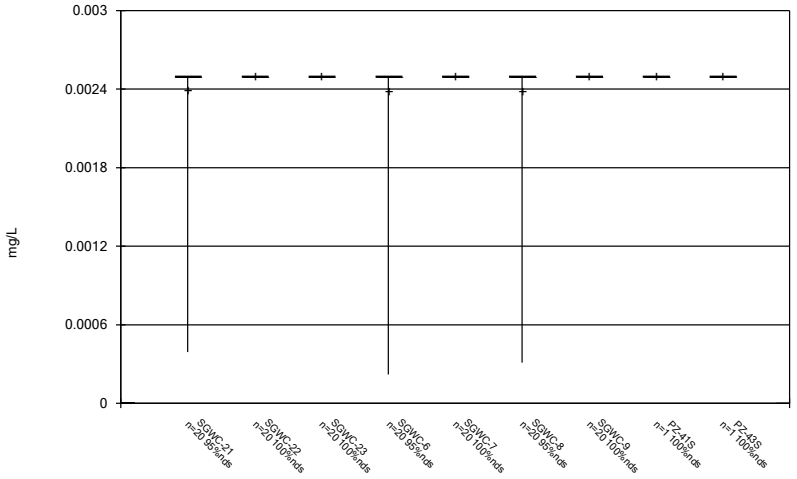


Constituent: Cadmium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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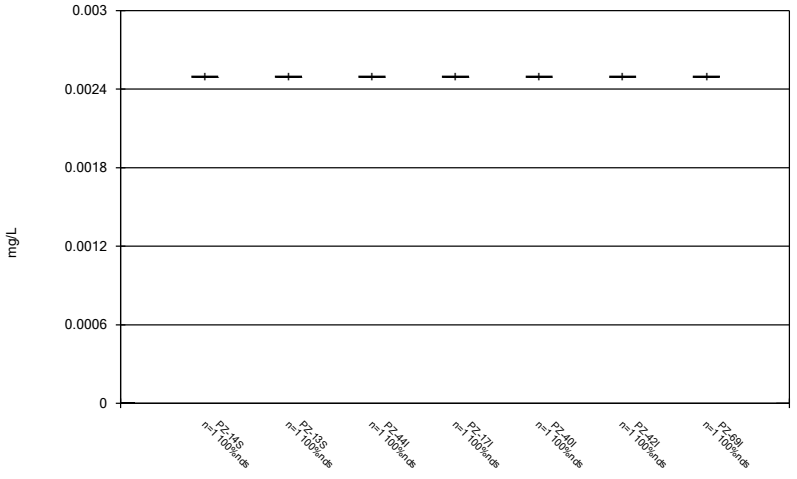
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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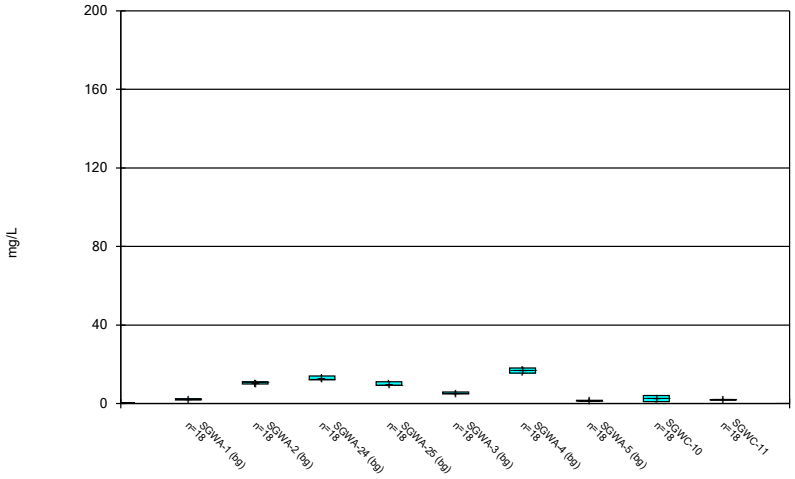
Plant Scherer Client: Southern Company Data: Scherer AP

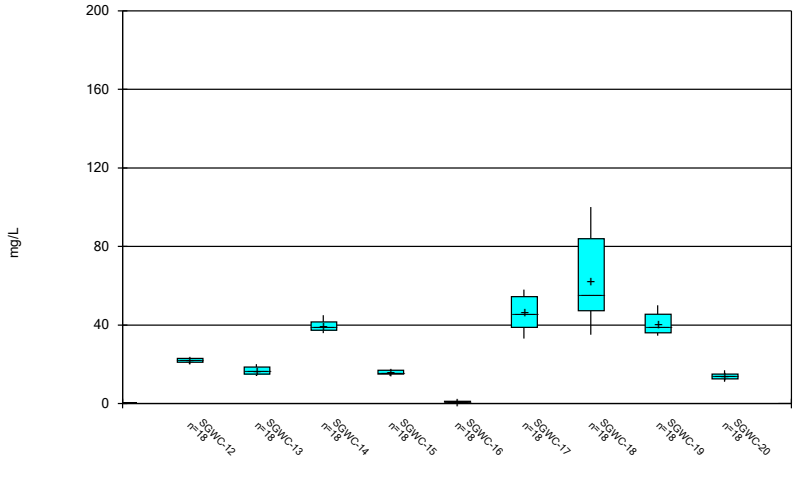
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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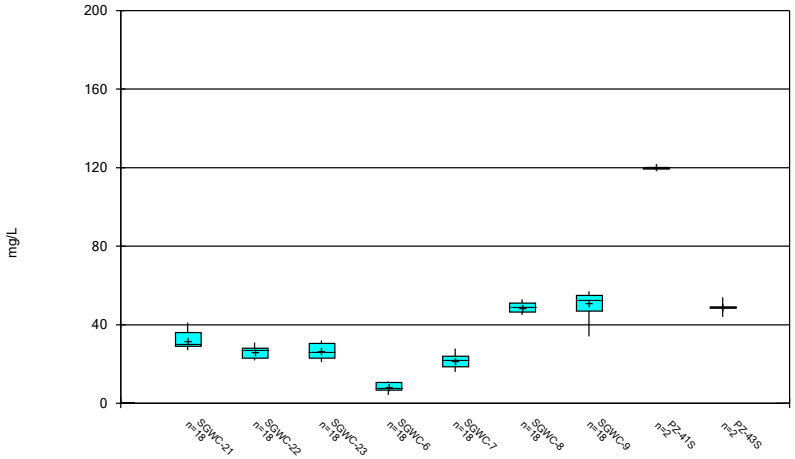
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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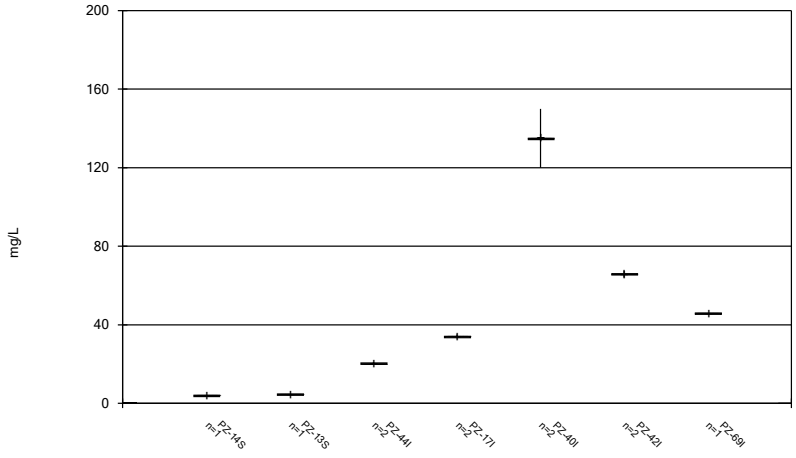
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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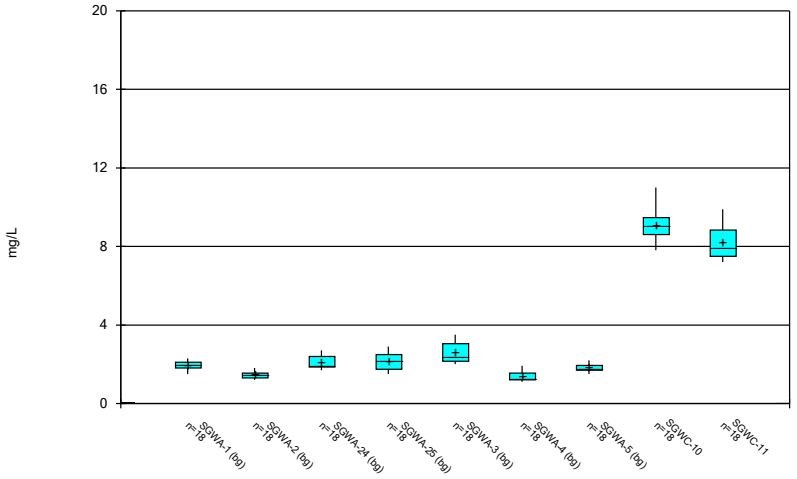
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot



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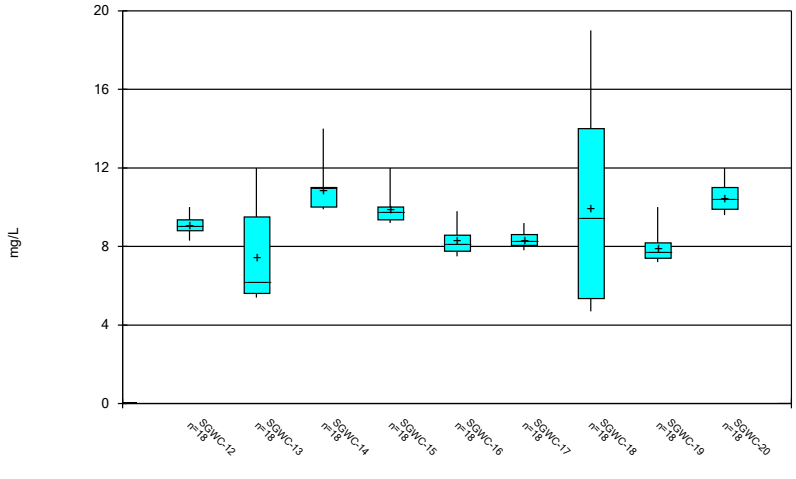
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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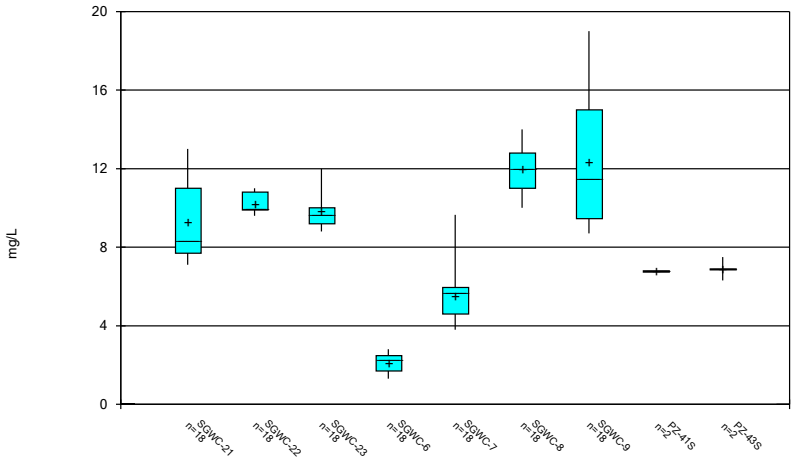
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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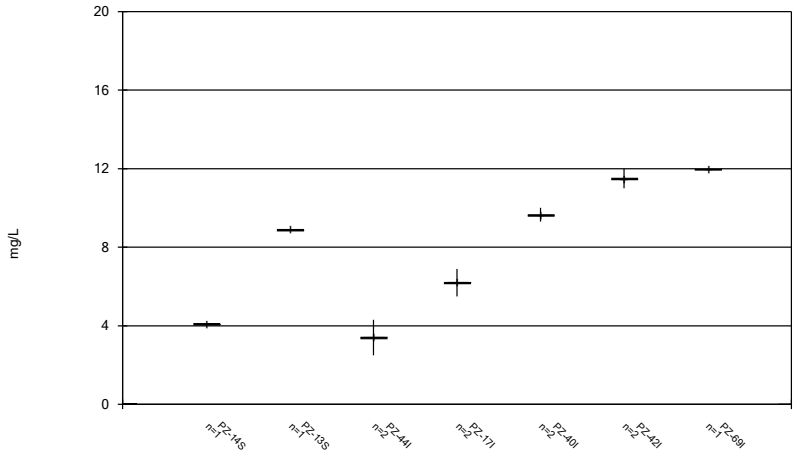
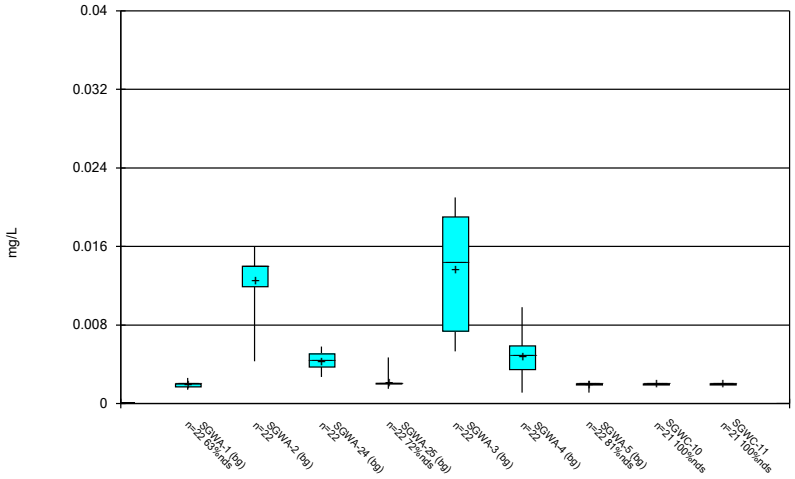
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

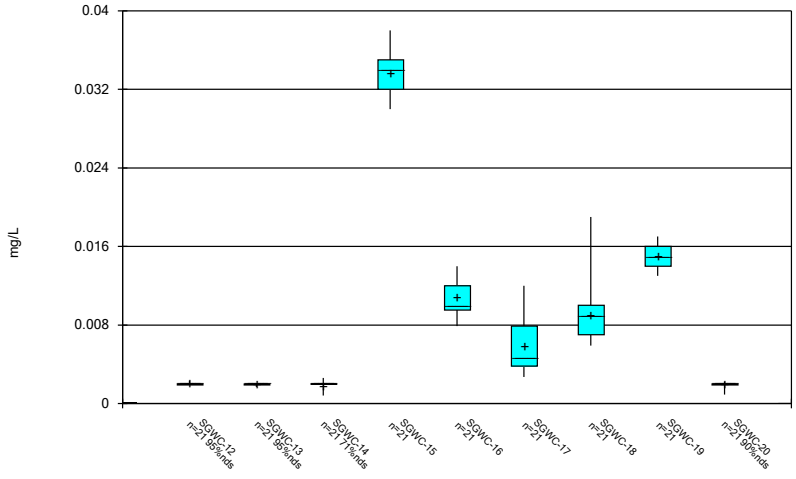


Constituent: Chromium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

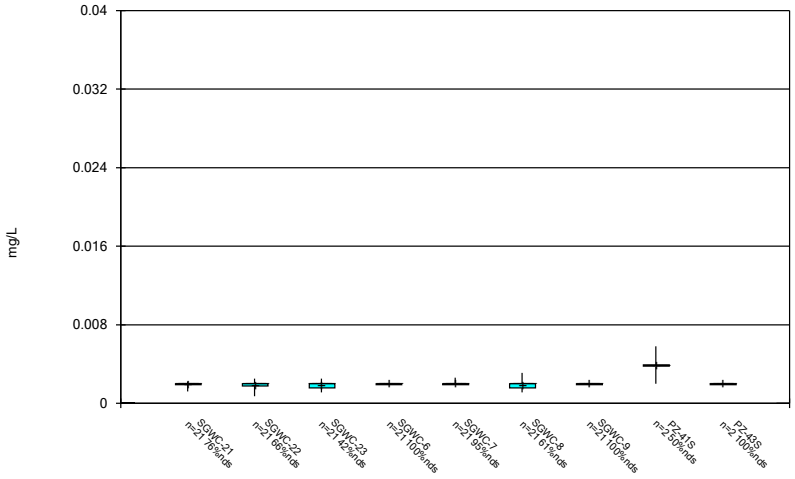


Constituent: Chromium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

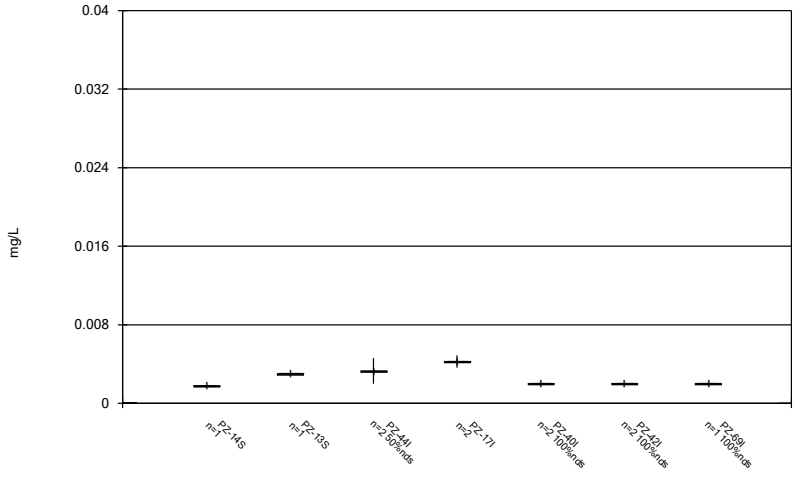


Constituent: Chromium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

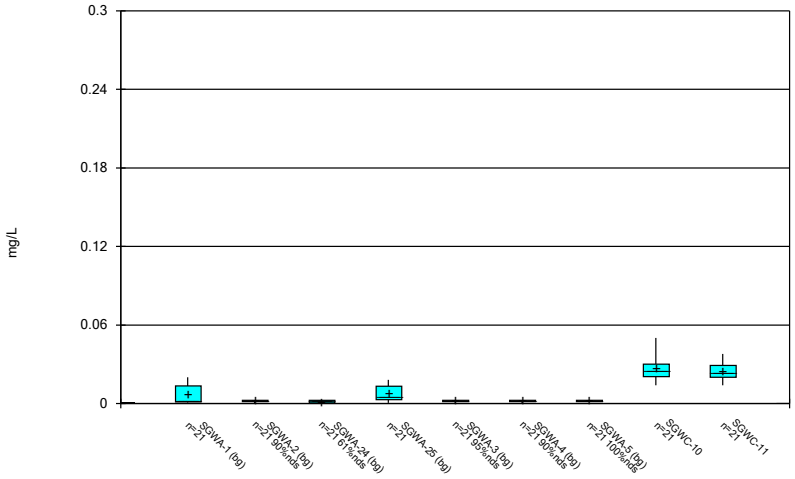
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

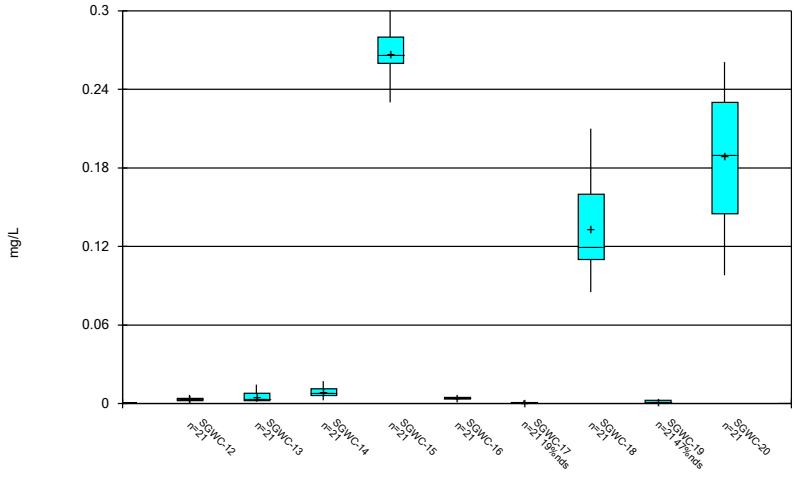


Constituent: Cobalt Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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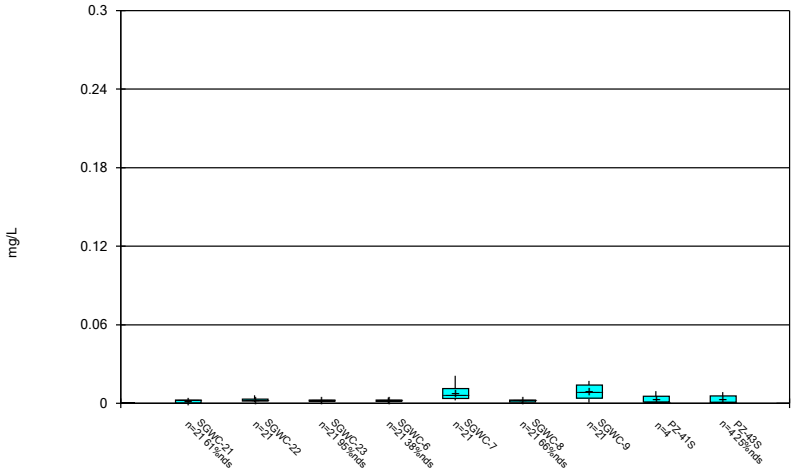
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

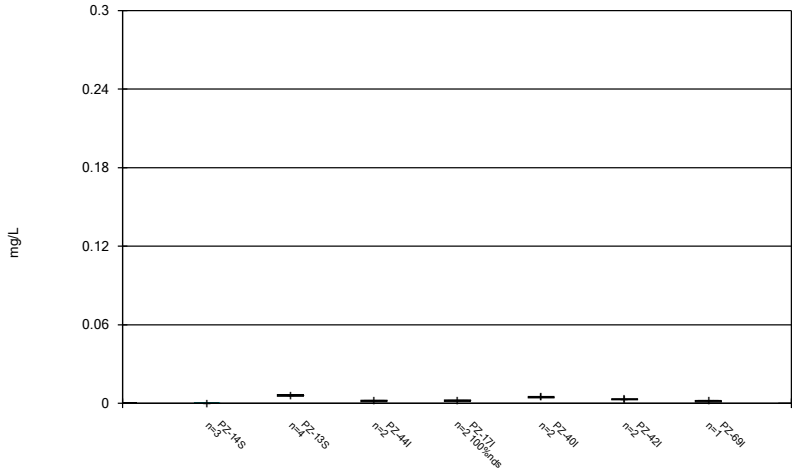


Constituent: Cobalt Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

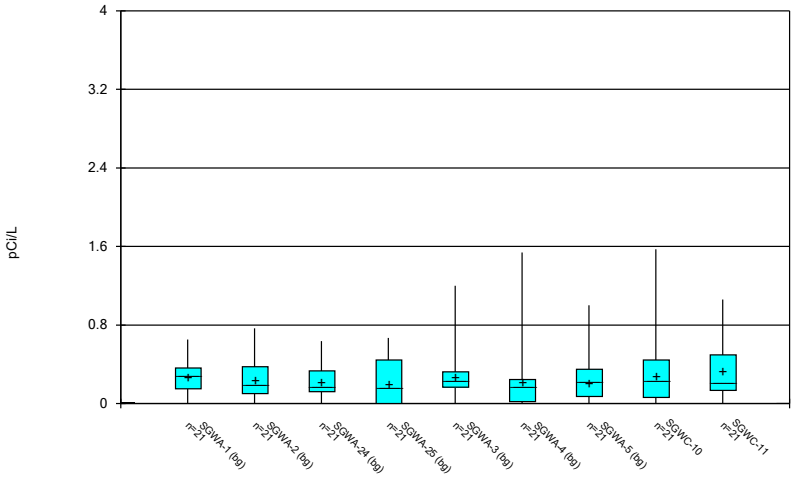
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

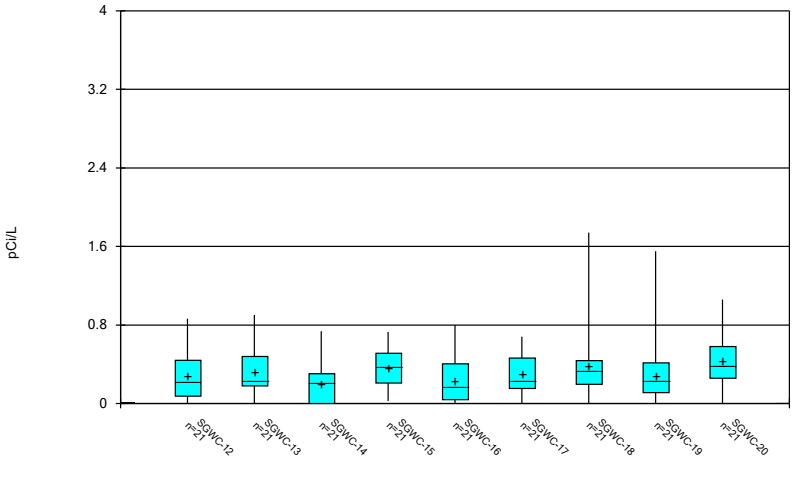
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

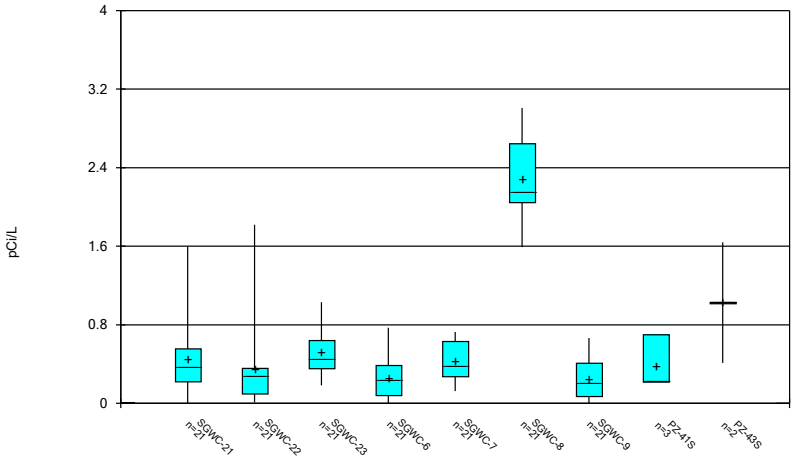
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

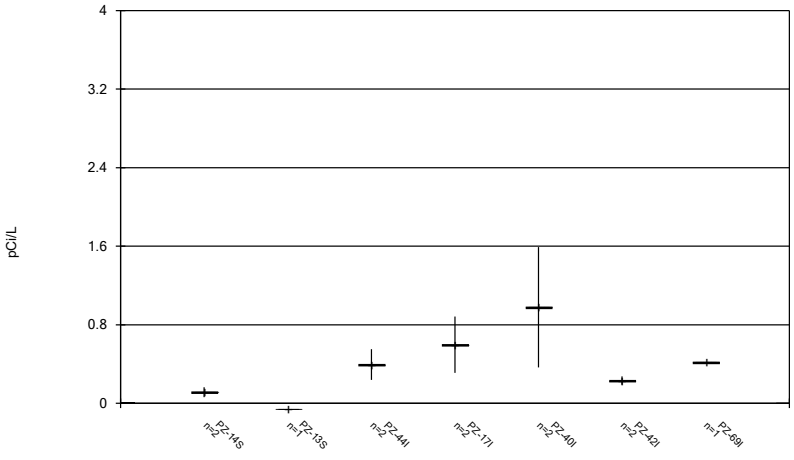
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

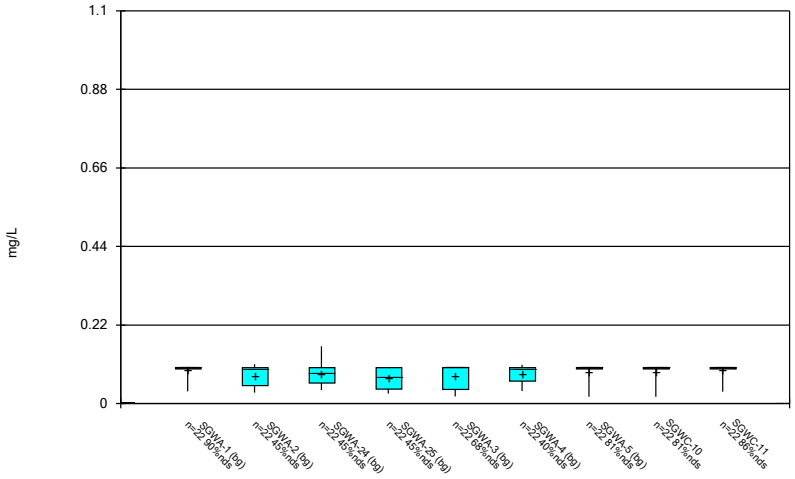
Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/29/2022 9:29 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

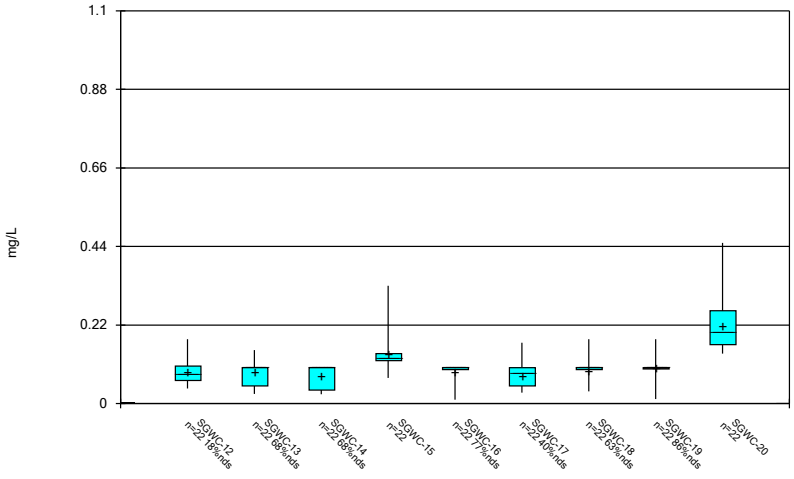


Constituent: Fluoride, total Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

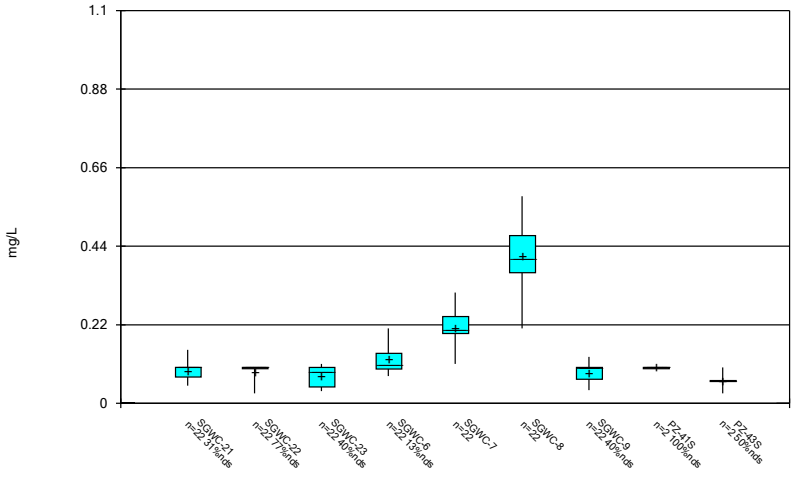


Constituent: Fluoride, total Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

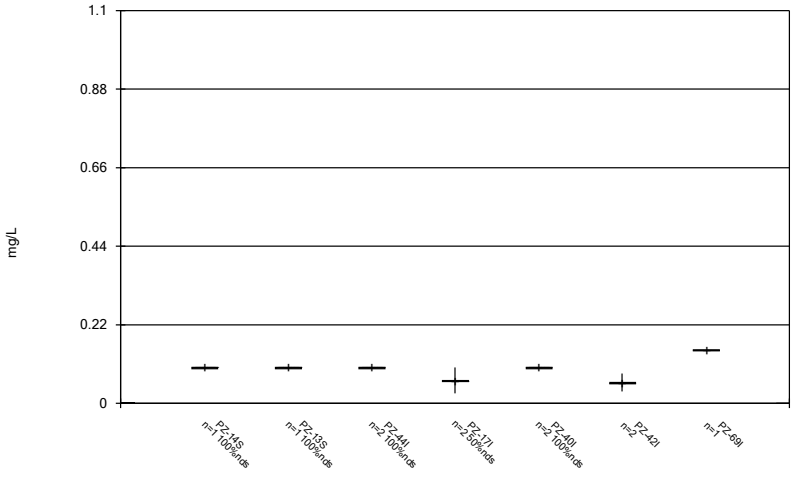


Constituent: Fluoride, total Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

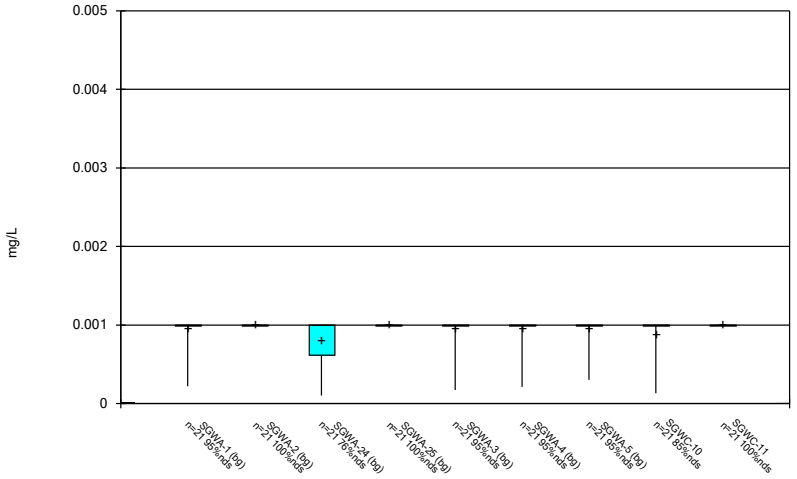
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

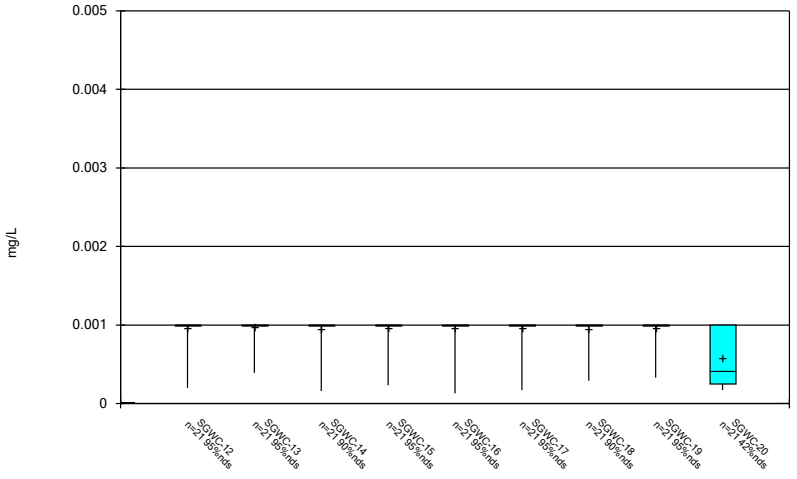


Constituent: Lead Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

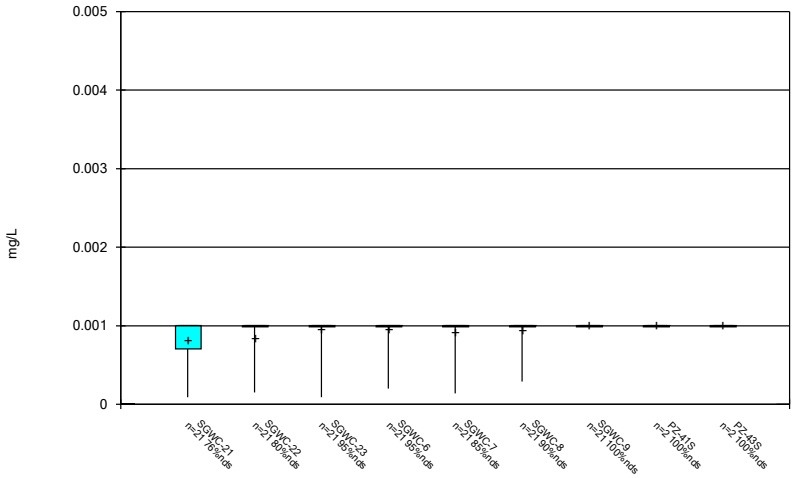


Constituent: Lead Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

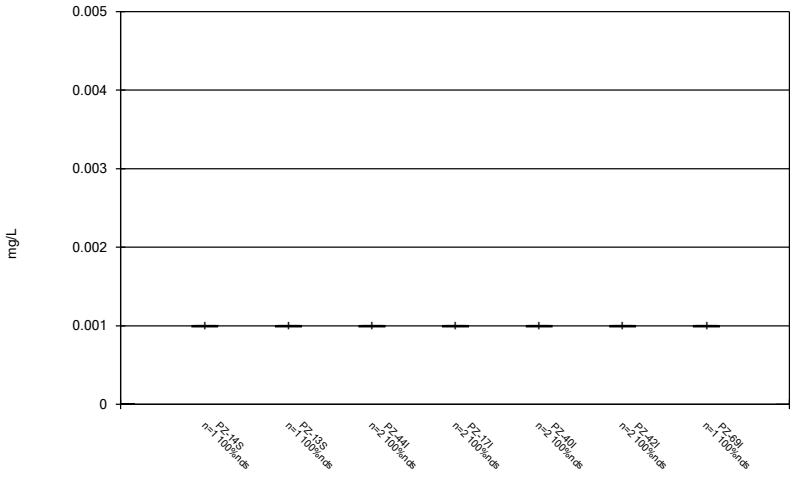


Constituent: Lead Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

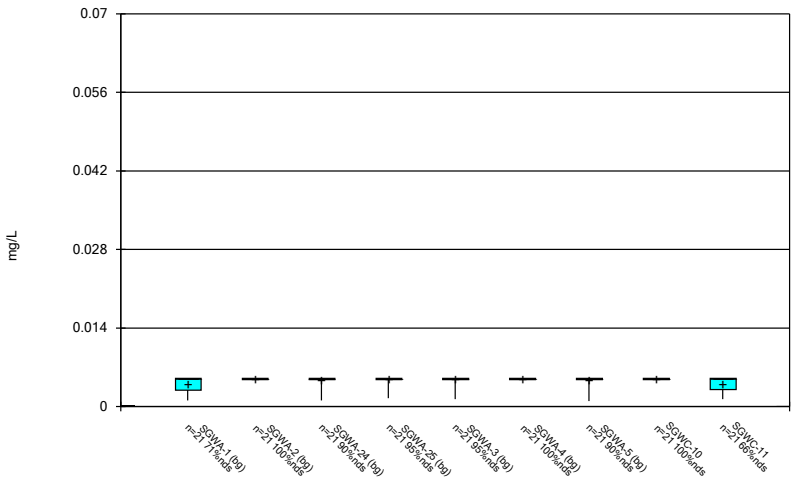
Box & Whiskers Plot



Constituent: Lead Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

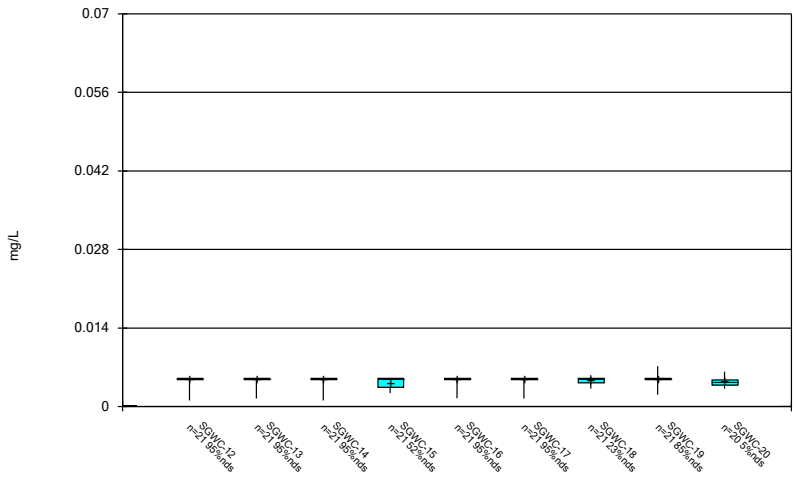


Constituent: Lithium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

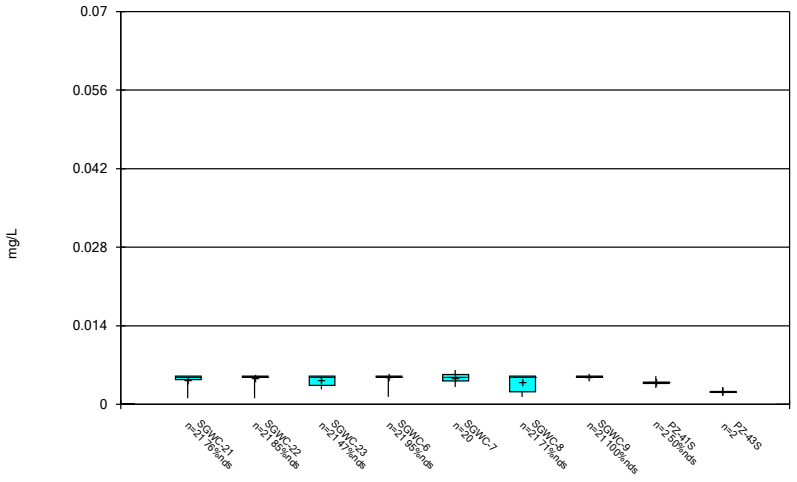


Constituent: Lithium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

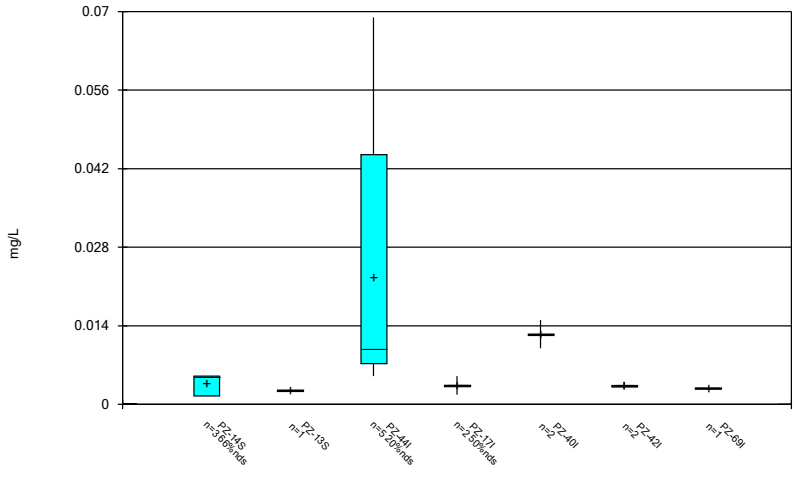


Constituent: Lithium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

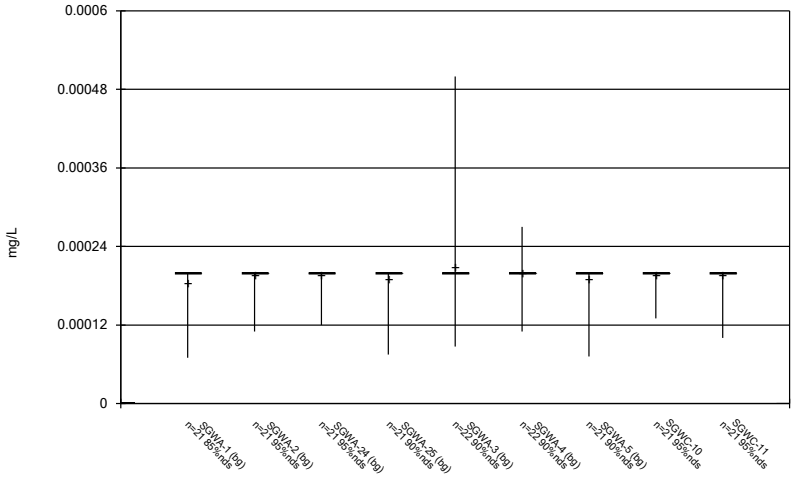
Box & Whiskers Plot



Constituent: Lithium Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

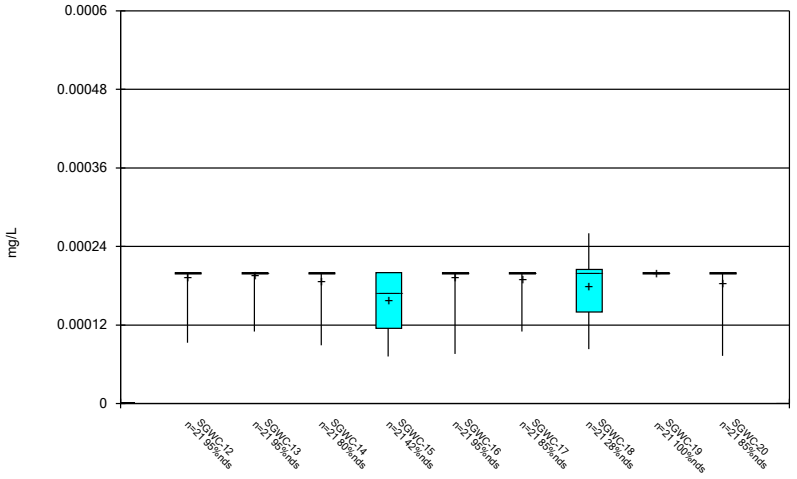


Constituent: Mercury Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

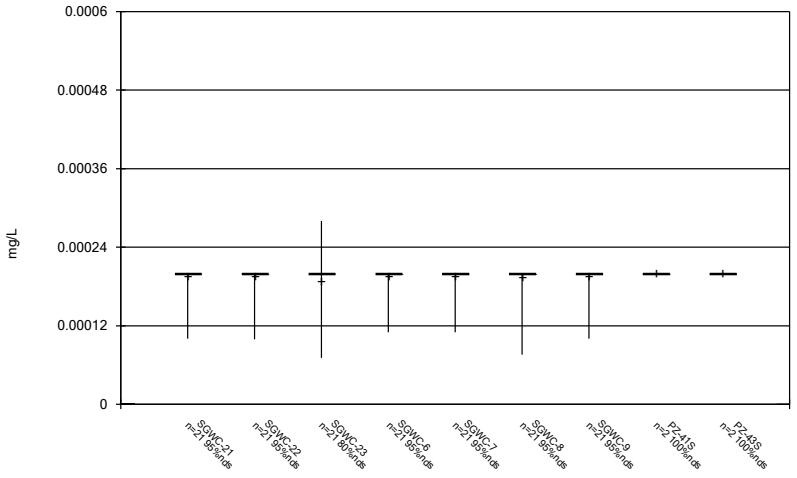


Constituent: Mercury Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

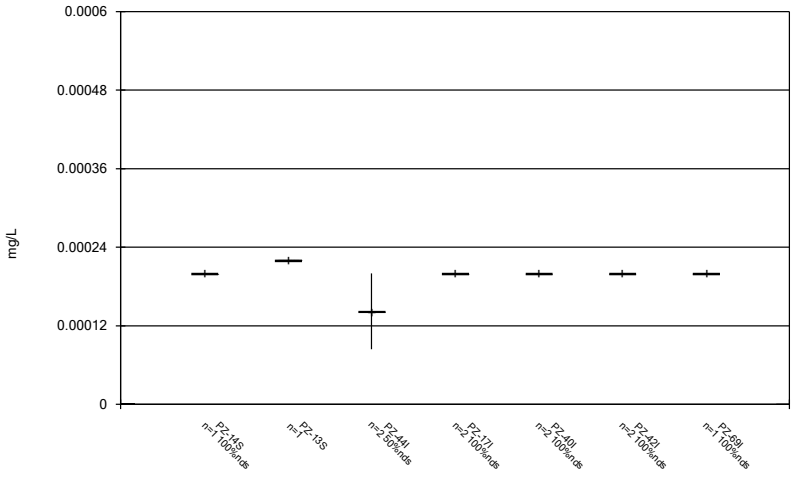


Constituent: Mercury Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

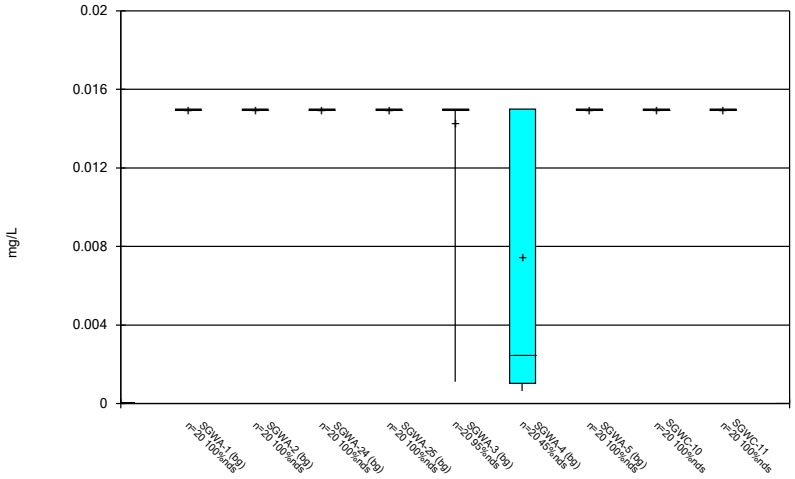
Box & Whiskers Plot



Constituent: Mercury Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

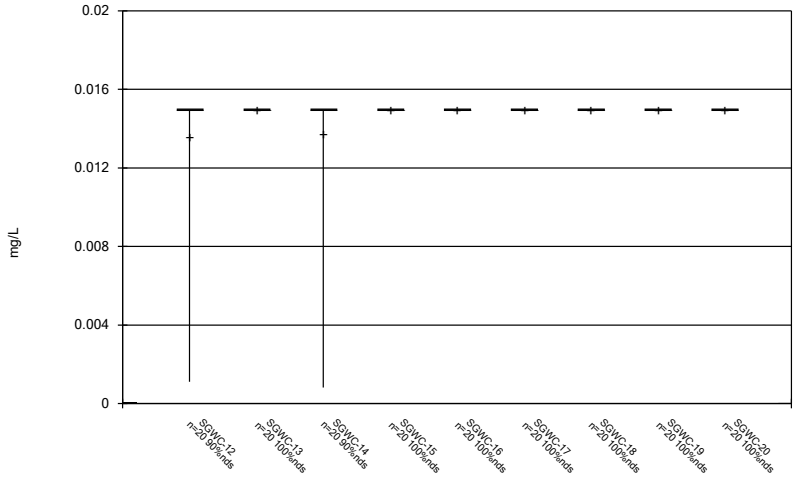


Constituent: Molybdenum Analysis Run 6/29/2022 9:29 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

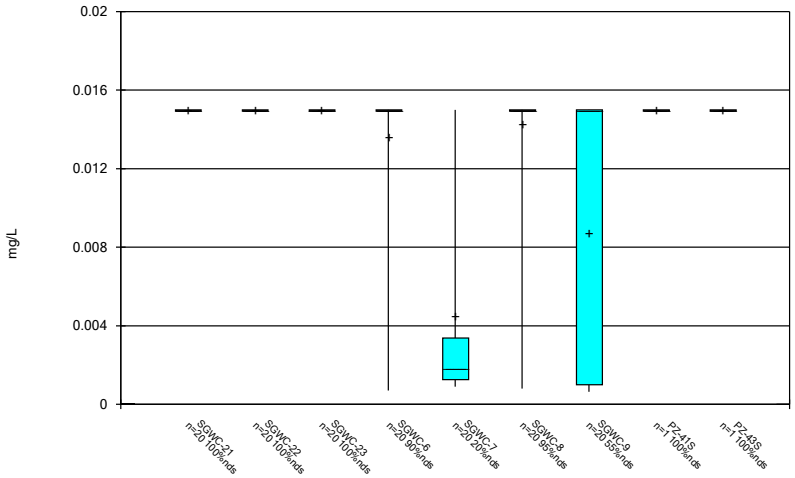


Constituent: Molybdenum Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

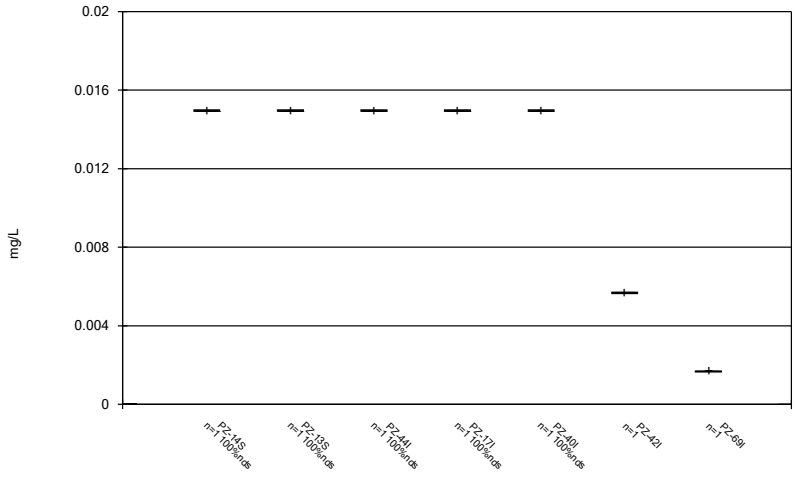


Constituent: Molybdenum Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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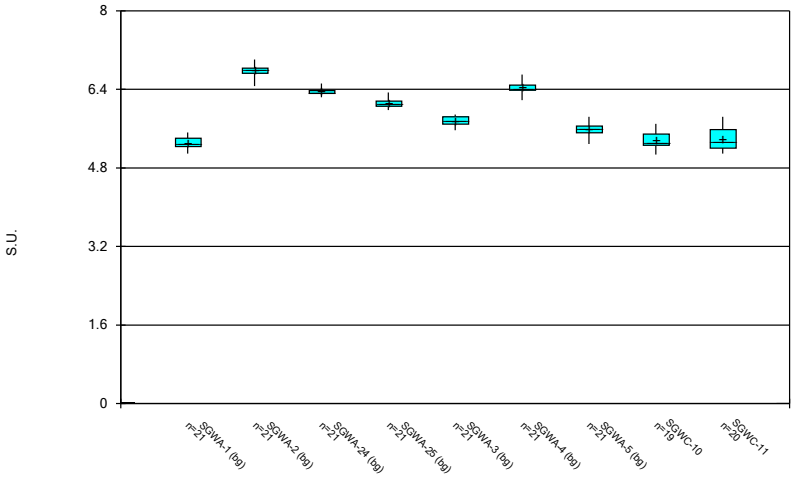
Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

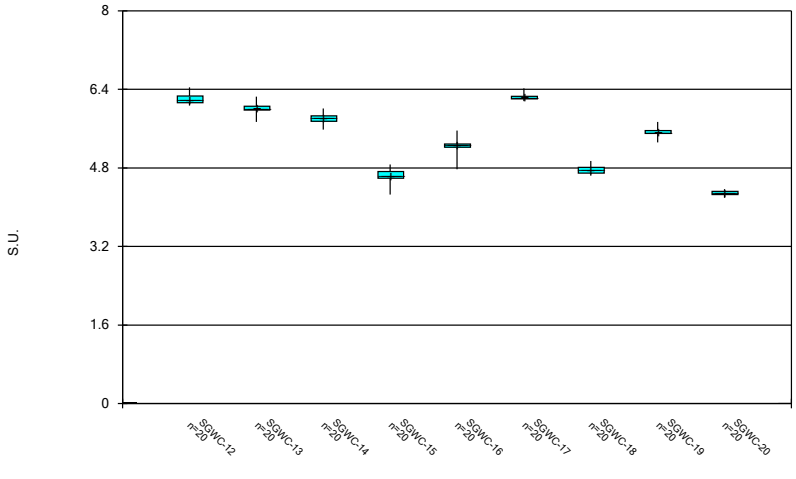


Constituent: pH Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

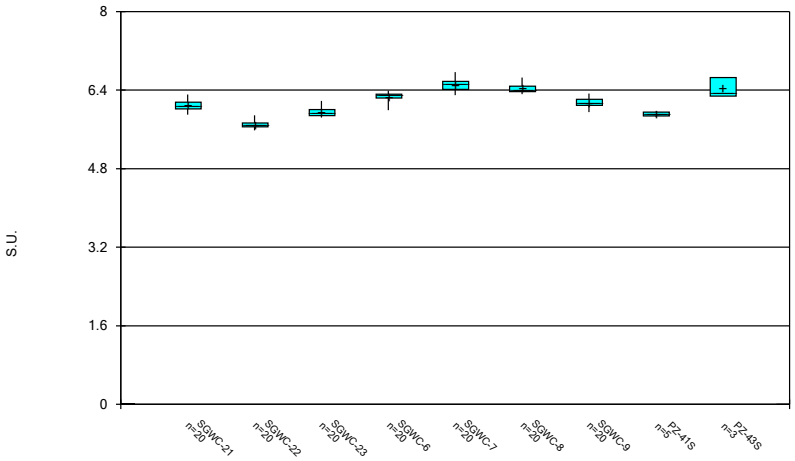


Constituent: pH Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

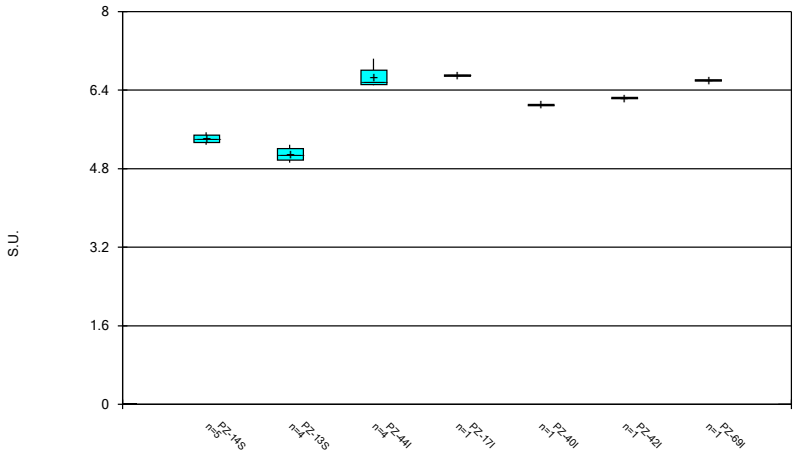


Constituent: pH Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

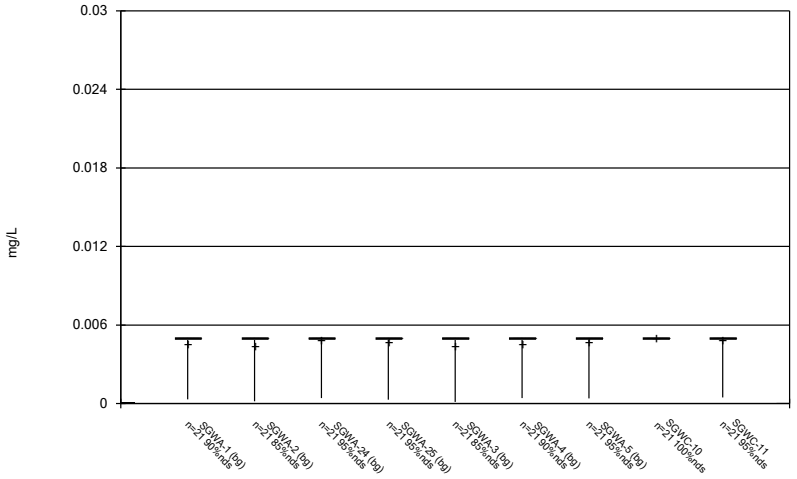
Box & Whiskers Plot



Constituent: pH Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

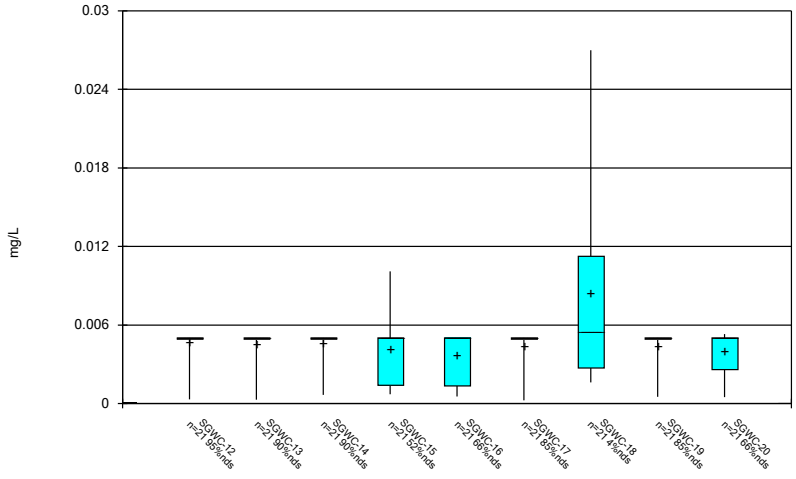


Constituent: Selenium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

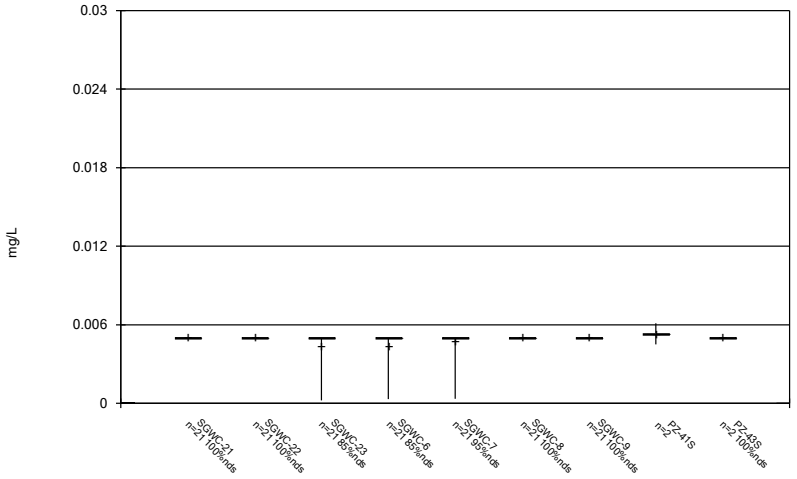


Constituent: Selenium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

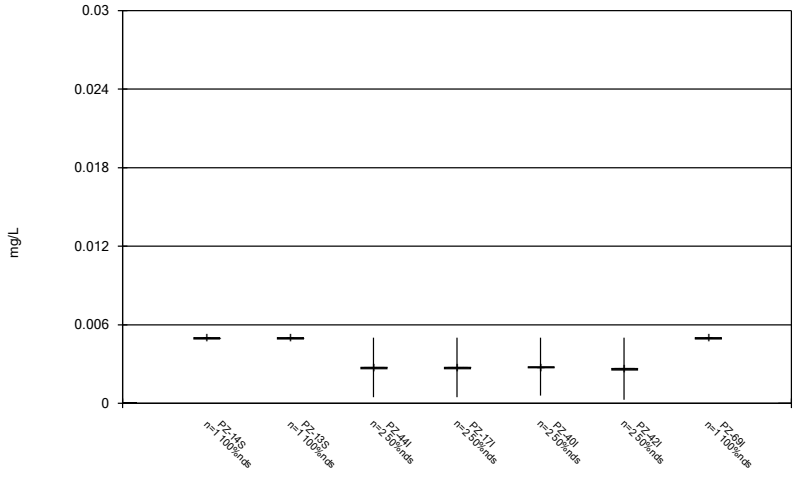


Constituent: Selenium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

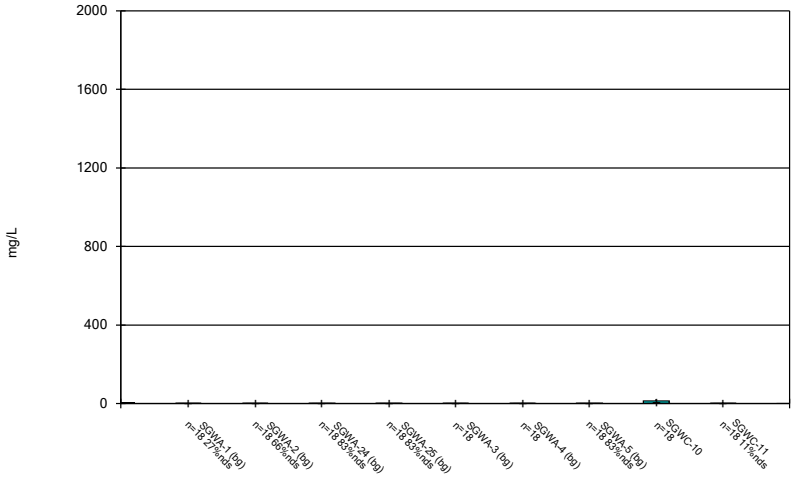
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

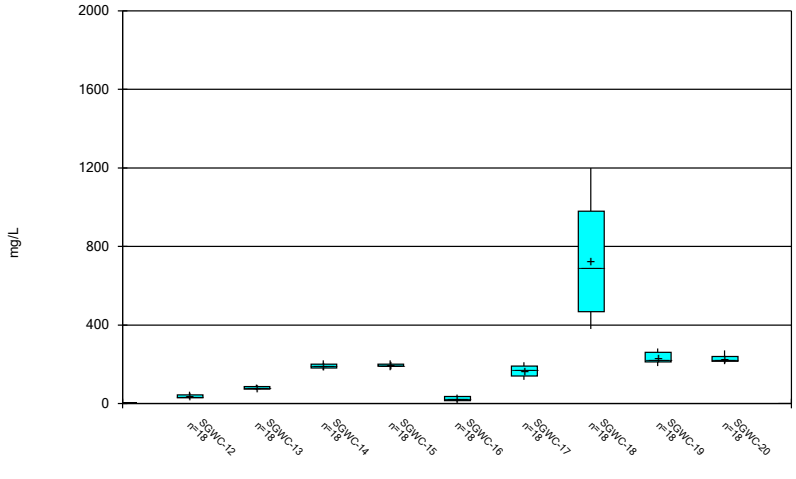


Constituent: Sulfate, total Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

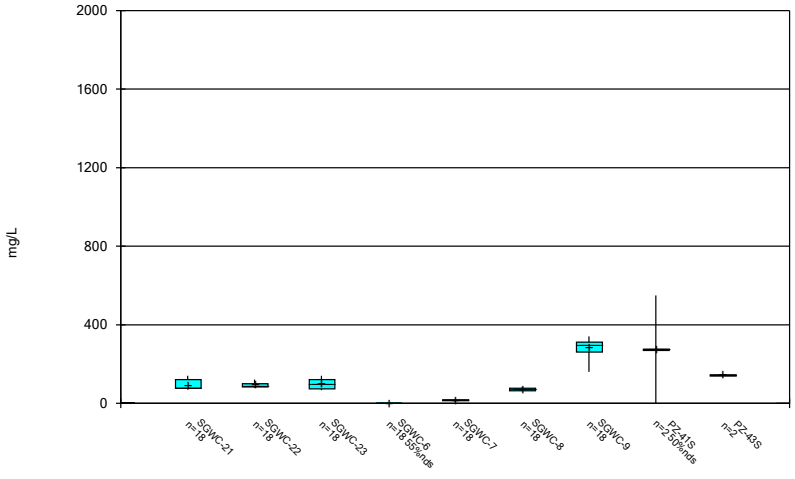


Constituent: Sulfate, total Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

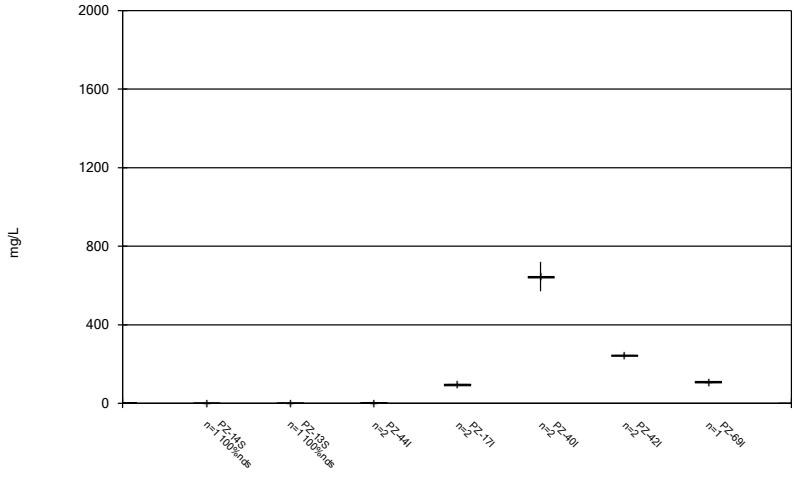


Constituent: Sulfate, total Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

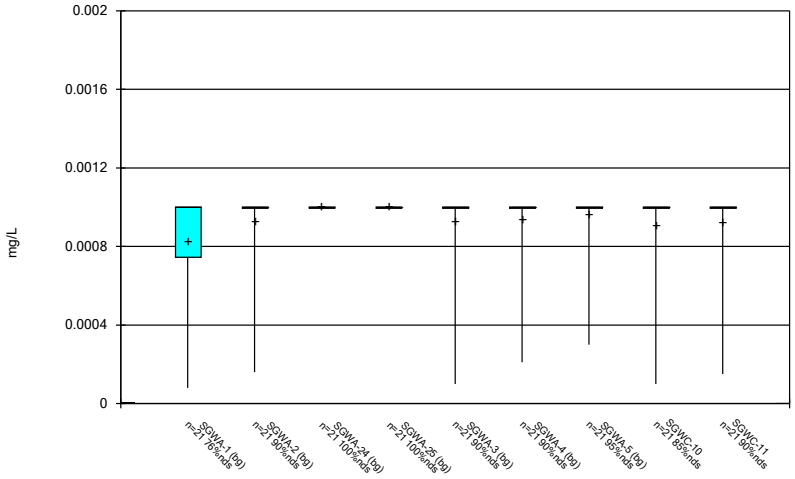
Box & Whiskers Plot



Constituent: Sulfate, total Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Box & Whiskers Plot

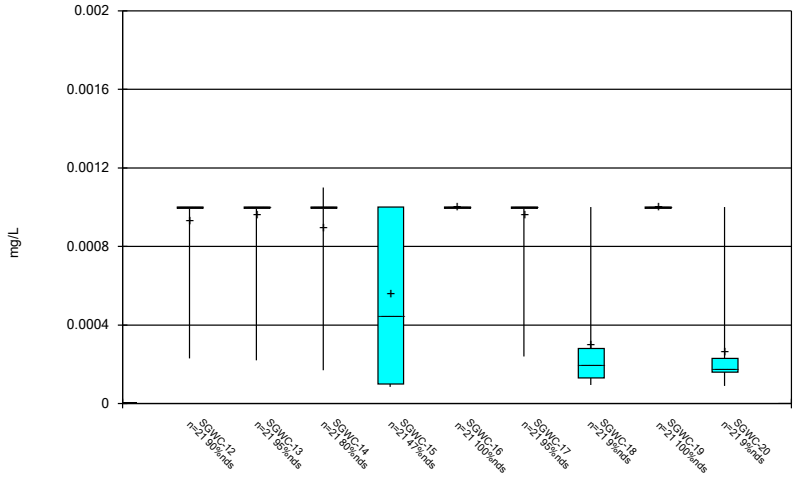


Constituent: Thallium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

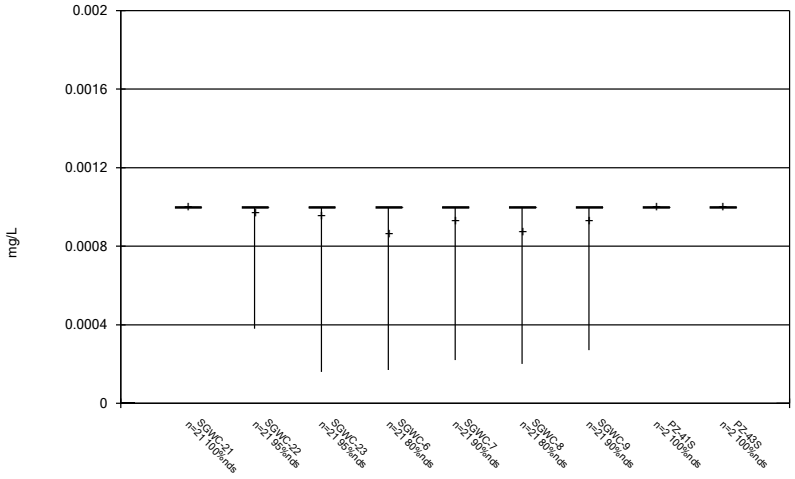


Constituent: Thallium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot

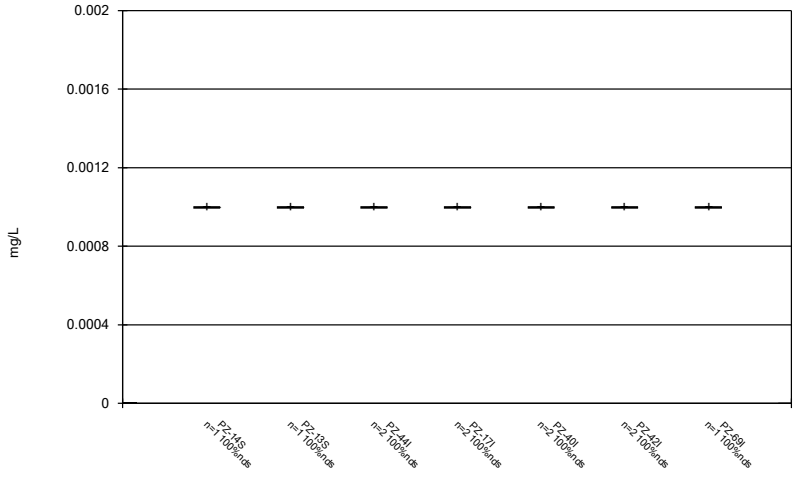


Constituent: Thallium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

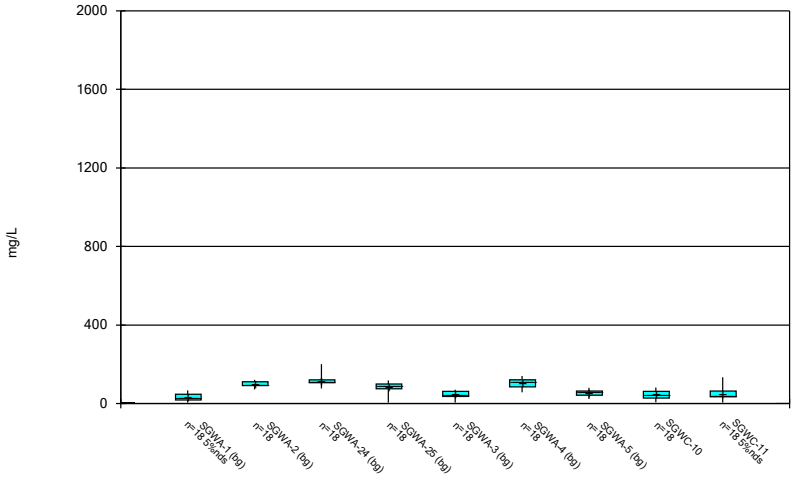
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/29/2022 9:30 AM

Plant Scherer Client: Southern Company Data: Scherer AP

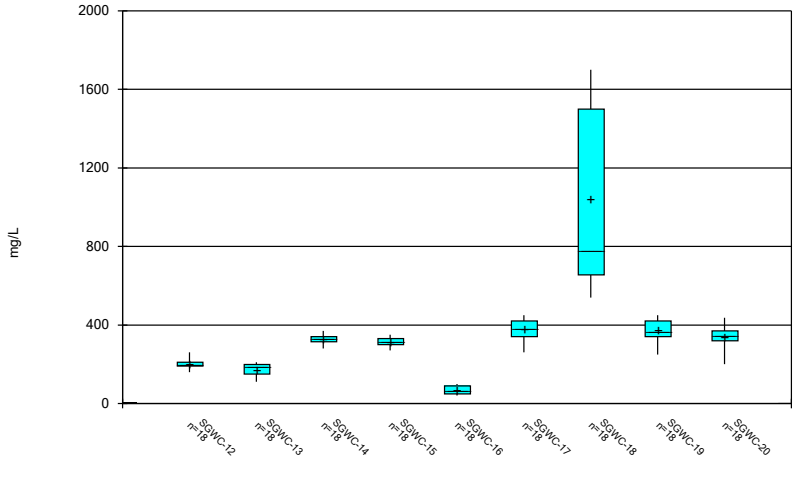
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:30 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

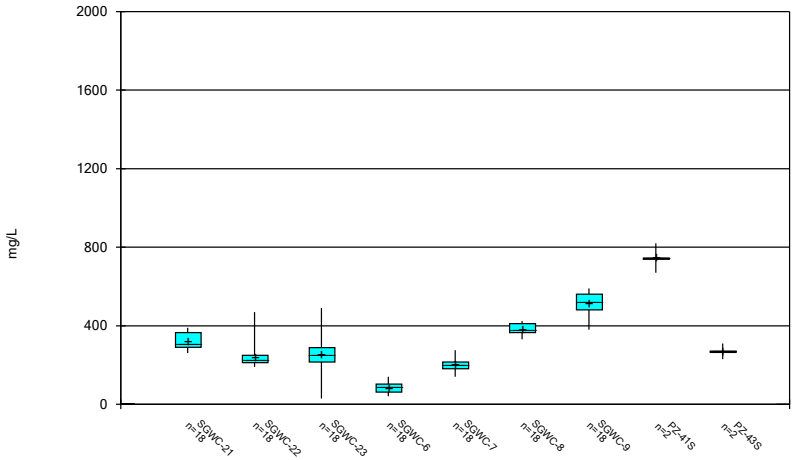
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:30 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

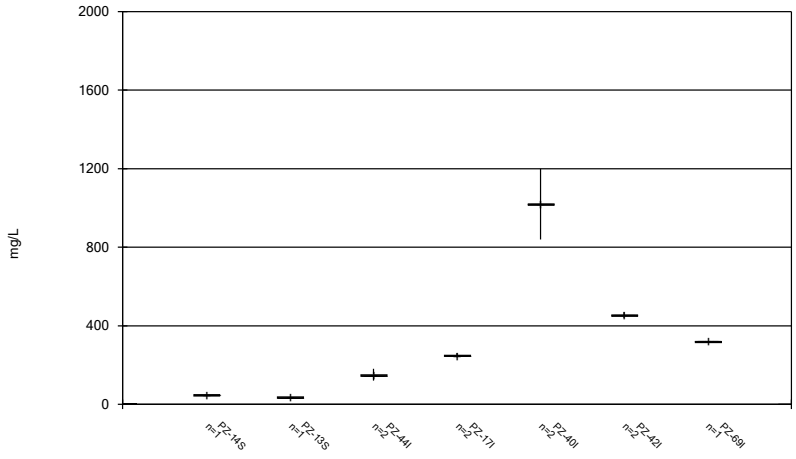
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:30 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.34 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/29/2022 9:30 AM
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE C.

Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/19/2022, 11:45 PM

	SGWC-20 Lithium (mg/L)	SGWC-7 Lithium (mg/L)
5/11/2016		<0.05 (O)
5/12/2016	<0.005 (O)	

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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	2/10/2022	0.53	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-13	0.13	n/a	2/11/2022	0.48	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-14	0.13	n/a	2/14/2022	1.5	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-15	0.13	n/a	2/11/2022	1.2	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-16	0.13	n/a	2/10/2022	0.63	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-17	0.13	n/a	2/11/2022	0.27	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-18	0.13	n/a	2/10/2022	6.4	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-19	0.13	n/a	2/11/2022	1.7	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-20	0.13	n/a	2/11/2022	1.5	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-21	0.13	n/a	2/11/2022	1	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-22	0.13	n/a	2/10/2022	0.54	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-23	0.13	n/a	2/10/2022	0.45	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-8	0.13	n/a	2/10/2022	0.16	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-9	0.13	n/a	2/10/2022	1.3	Yes	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	SGWC-12	19	n/a	2/10/2022	23	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-14	19	n/a	2/14/2022	41	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-17	19	n/a	2/11/2022	58	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-18	19	n/a	2/10/2022	55	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-19	19	n/a	2/11/2022	46	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-21	19	n/a	2/11/2022	36	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-22	19	n/a	2/10/2022	27	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-23	19	n/a	2/10/2022	23	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-8	19	n/a	2/10/2022	53	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-9	19	n/a	2/10/2022	37	Yes	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	SGWC-10	3.025	n/a	2/11/2022	11	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-11	3.025	n/a	2/10/2022	8.8	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-12	3.025	n/a	2/10/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-13	3.025	n/a	2/11/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-14	3.025	n/a	2/14/2022	14	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-15	3.025	n/a	2/11/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-16	3.025	n/a	2/10/2022	9.8	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-17	3.025	n/a	2/11/2022	8.4	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-18	3.025	n/a	2/10/2022	19	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-19	3.025	n/a	2/11/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-20	3.025	n/a	2/11/2022	9.6	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-21	3.025	n/a	2/11/2022	11	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-22	3.025	n/a	2/10/2022	10	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-23	3.025	n/a	2/10/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-7	3.025	n/a	2/9/2022	4	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-8	3.025	n/a	2/10/2022	12	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	SGWC-9	3.025	n/a	2/10/2022	15	Yes	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Fluoride, total (mg/L)	SGWC-6	0.16	n/a	2/9/2022	0.19	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-7	0.16	n/a	2/9/2022	0.27	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-8	0.16	n/a	2/10/2022	0.44	Yes	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-15	7.01	5.09	2/11/2022	4.59	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-18	7.01	5.09	2/10/2022	4.86	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-20	7.01	5.09	2/11/2022	4.27	Yes	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-12	3.75	n/a	2/10/2022	41	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-13	3.75	n/a	2/11/2022	94	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-14	3.75	n/a	2/14/2022	220	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-15	3.75	n/a	2/11/2022	200	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-16	3.75	n/a	2/10/2022	45	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-17	3.75	n/a	2/11/2022	190	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-18	3.75	n/a	2/10/2022	890	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-19	3.75	n/a	2/11/2022	260	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-20	3.75	n/a	2/11/2022	230	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-21	3.75	n/a	2/11/2022	120	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-22	3.75	n/a	2/10/2022	100	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-23	3.75	n/a	2/10/2022	73	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-7	3.75	n/a	2/9/2022	7.1	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-8	3.75	n/a	2/10/2022	80	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-9	3.75	n/a	2/10/2022	190	Yes	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	200	n/a	2/10/2022	210	Yes	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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-14**	**200**	**n/a**	**2/14/2022**	**360**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**2/11/2022**	**310**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**2/10/2022**	**1400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**2/10/2022**	**250**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**2/10/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**2/10/2022**	**400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**2/10/2022**	**410**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 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	2/11/2022	0.09	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-11**	**0.13**	**n/a**	**2/10/2022**	**0.53**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-12	0.13	n/a	2/10/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-13**	**0.13**	**n/a**	**2/11/2022**	**0.48**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-14**	**0.13**	**n/a**	**2/14/2022**	**1.5**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-15**	**0.13**	**n/a**	**2/11/2022**	**1.2**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-16**	**0.13**	**n/a**	**2/10/2022**	**0.63**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-17**	**0.13**	**n/a**	**2/11/2022**	**0.27**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-18**	**0.13**	**n/a**	**2/10/2022**	**6.4**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-19**	**0.13**	**n/a**	**2/11/2022**	**1.7**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-20**	**0.13**	**n/a**	**2/11/2022**	**1.5**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-21**	**0.13**	**n/a**	**2/11/2022**	**1**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-22**	**0.13**	**n/a**	**2/10/2022**	**0.54**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-23**	**0.13**	**n/a**	**2/10/2022**	**0.45**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	SGWC-6	0.13	n/a	2/9/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	SGWC-7	0.13	n/a	2/9/2022	0.08ND	No	126	n/a	n/a	92.86	n/a	n/a	0.0001235	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**SGWC-8**	**0.13**	**n/a**	**2/10/2022**	**0.16**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**SGWC-9**	**0.13**	**n/a**	**2/10/2022**	**1.3**	**Yes**	**126**	**n/a**	**n/a**	**92.86**	**n/a**	**n/a**	**0.0001235**	**NP Inter (NDs) 1 of 2**
Calcium, total (mg/L)	SGWC-10	19	n/a	2/11/2022	0.55	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-11	19	n/a	2/10/2022	1.9	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-12**	**19**	**n/a**	**2/10/2022**	**23**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-13	19	n/a	2/11/2022	19	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-14**	**19**	**n/a**	**2/14/2022**	**41**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-15	19	n/a	2/11/2022	16	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-16	19	n/a	2/10/2022	1.2	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-17**	**19**	**n/a**	**2/11/2022**	**58**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-18**	**19**	**n/a**	**2/10/2022**	**55**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-19**	**19**	**n/a**	**2/11/2022**	**46**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-20	19	n/a	2/11/2022	13	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-21**	**19**	**n/a**	**2/11/2022**	**36**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-22**	**19**	**n/a**	**2/10/2022**	**27**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-23**	**19**	**n/a**	**2/10/2022**	**23**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	SGWC-6	19	n/a	2/9/2022	11	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	SGWC-7	19	n/a	2/9/2022	16	No	126	n/a	n/a	0	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	**SGWC-8**	**19**	**n/a**	**2/10/2022**	**53**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Calcium, total (mg/L)	**SGWC-9**	**19**	**n/a**	**2/10/2022**	**37**	**Yes**	**126**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	**SGWC-10**	**3.025**	**n/a**	**2/11/2022**	**11**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-11**	**3.025**	**n/a**	**2/10/2022**	**8.8**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-12**	**3.025**	**n/a**	**2/10/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-13**	**3.025**	**n/a**	**2/11/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-14**	**3.025**	**n/a**	**2/14/2022**	**14**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-15**	**3.025**	**n/a**	**2/11/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-16**	**3.025**	**n/a**	**2/10/2022**	**9.8**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-17**	**3.025**	**n/a**	**2/11/2022**	**8.4**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-18**	**3.025**	**n/a**	**2/10/2022**	**19**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-19**	**3.025**	**n/a**	**2/11/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-20**	**3.025**	**n/a**	**2/11/2022**	**9.6**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-21**	**3.025**	**n/a**	**2/11/2022**	**11**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-22**	**3.025**	**n/a**	**2/10/2022**	**10**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-23**	**3.025**	**n/a**	**2/10/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	SGWC-6	3.025	n/a	2/9/2022	2.6	No	126	1.232	0.1025	0	None	x^(1/3)	0.000418	Param Inter 1 of 2
Chloride, Total (mg/L)	**SGWC-7**	**3.025**	**n/a**	**2/9/2022**	**4**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-8**	**3.025**	**n/a**	**2/10/2022**	**12**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Chloride, Total (mg/L)	**SGWC-9**	**3.025**	**n/a**	**2/10/2022**	**15**	**Yes**	**126**	**1.232**	**0.1025**	**0**	**None**	**x^(1/3)**	**0.000418**	**Param Inter 1 of 2**
Fluoride, total (mg/L)	SGWC-10	0.16	n/a	2/11/2022	0.03J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-11	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-12	0.16	n/a	2/10/2022	0.06J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-13	0.16	n/a	2/11/2022	0.045J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-14	0.16	n/a	2/14/2022	0.035J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-15	0.16	n/a	2/11/2022	0.14	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-16	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-17	0.16	n/a	2/11/2022	0.064J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-18	0.16	n/a	2/10/2022	0.039J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:23 PM

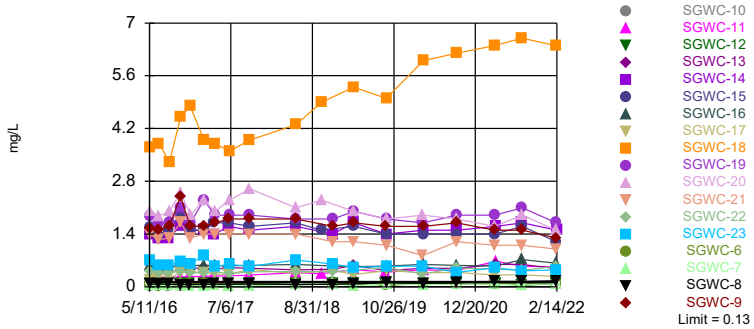
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	SGWC-19	0.16	n/a	2/11/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-20	0.16	n/a	2/11/2022	0.14	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-21	0.16	n/a	2/11/2022	0.092J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-22	0.16	n/a	2/10/2022	0.1ND	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	SGWC-23	0.16	n/a	2/10/2022	0.066J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	**SGWC-6**	**0.16**	**n/a**	**2/9/2022**	**0.19**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-7**	**0.16**	**n/a**	**2/9/2022**	**0.27**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	**SGWC-8**	**0.16**	**n/a**	**2/10/2022**	**0.44**	**Yes**	**154**	**n/a**	**n/a**	**59.74**	**n/a**	**n/a**	**0.00008305**	**NP Inter (NDs) 1 of 2**
Fluoride, total (mg/L)	SGWC-9	0.16	n/a	2/10/2022	0.098J	No	154	n/a	n/a	59.74	n/a	n/a	0.00008305	NP Inter (NDs) 1 of 2
pH (S.U.)	SGWC-10	7.01	5.09	2/11/2022	5.13	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-11	7.01	5.09	2/10/2022	5.11	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-12	7.01	5.09	2/10/2022	6.19	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-13	7.01	5.09	2/11/2022	6.02	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-14	7.01	5.09	2/14/2022	5.77	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-15**	**7.01**	**5.09**	**2/11/2022**	**4.59**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-16	7.01	5.09	2/10/2022	5.21	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-17	7.01	5.09	2/11/2022	6.39	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-18**	**7.01**	**5.09**	**2/10/2022**	**4.86**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-19	7.01	5.09	2/11/2022	5.65	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	**SGWC-20**	**7.01**	**5.09**	**2/11/2022**	**4.27**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001821**	**NP Inter (normality) 1 of 2**
pH (S.U.)	SGWC-21	7.01	5.09	2/11/2022	6.31	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-22	7.01	5.09	2/10/2022	5.78	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-23	7.01	5.09	2/10/2022	6.13	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-6	7.01	5.09	2/9/2022	6.33	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-7	7.01	5.09	2/9/2022	6.77	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-8	7.01	5.09	2/10/2022	6.47	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
pH (S.U.)	SGWC-9	7.01	5.09	2/10/2022	6.25	No	147	n/a	n/a	0	n/a	n/a	0.0001821	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-10	3.75	n/a	2/11/2022	2.1	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	SGWC-11	3.75	n/a	2/10/2022	1ND	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-12**	**3.75**	**n/a**	**2/10/2022**	**41**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-13**	**3.75**	**n/a**	**2/11/2022**	**94**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-14**	**3.75**	**n/a**	**2/14/2022**	**220**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-15**	**3.75**	**n/a**	**2/11/2022**	**200**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-16**	**3.75**	**n/a**	**2/10/2022**	**45**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-17**	**3.75**	**n/a**	**2/11/2022**	**190**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-18**	**3.75**	**n/a**	**2/10/2022**	**890**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-19**	**3.75**	**n/a**	**2/11/2022**	**260**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-20**	**3.75**	**n/a**	**2/11/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-21**	**3.75**	**n/a**	**2/11/2022**	**120**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-22**	**3.75**	**n/a**	**2/10/2022**	**100**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-23**	**3.75**	**n/a**	**2/10/2022**	**73**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	SGWC-6	3.75	n/a	2/9/2022	0.88J	No	126	n/a	n/a	49.21	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	**SGWC-7**	**3.75**	**n/a**	**2/9/2022**	**7.1**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-8**	**3.75**	**n/a**	**2/10/2022**	**80**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Sulfate, total (mg/L)	**SGWC-9**	**3.75**	**n/a**	**2/10/2022**	**190**	**Yes**	**126**	**n/a**	**n/a**	**49.21**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-10	200	n/a	2/11/2022	44	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-11	200	n/a	2/10/2022	39	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-12**	**200**	**n/a**	**2/10/2022**	**210**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-13	200	n/a	2/11/2022	200	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-14**	**200**	**n/a**	**2/14/2022**	**360**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-15**	**200**	**n/a**	**2/11/2022**	**310**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-16	200	n/a	2/10/2022	100	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-18**	**200**	**n/a**	**2/10/2022**	**1400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-19**	**200**	**n/a**	**2/11/2022**	**440**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-20**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-21**	**200**	**n/a**	**2/11/2022**	**350**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**200**	**n/a**	**2/10/2022**	**250**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-23**	**200**	**n/a**	**2/10/2022**	**230**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	SGWC-6	200	n/a	2/9/2022	130	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	SGWC-7	200	n/a	2/9/2022	170	No	126	n/a	n/a	0.7937	n/a	n/a	0.0001235	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**SGWC-8**	**200**	**n/a**	**2/10/2022**	**400**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**SGWC-9**	**200**	**n/a**	**2/10/2022**	**410**	**Yes**	**126**	**n/a**	**n/a**	**0.7937**	**n/a**	**n/a**	**0.0001235**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.32j 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 126 background values. 92.86% NDs. Annual per-constituent alpha = 0.004436. Individual comparison alpha = 0.0001235 (1 of 2). Comparing 18 points to limit.

Constituent: Boron, total Analysis Run 4/28/2022 5:21 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

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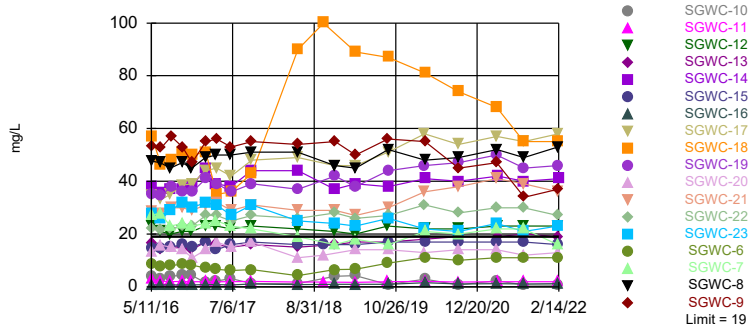
Exceeds Limit: SGWC-12, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22, SGWC-23, SGWC-8, SGWC-9

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 126 background values. Annual per-constituent alpha = 0.004436. Individual comparison alpha = 0.0001235 (1 of 2). Comparing 18 points to limit.

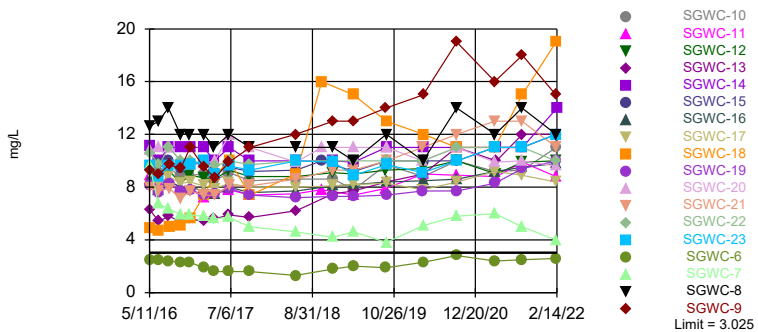
Constituent: Calcium, total Analysis Run 4/28/2022 5:21 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j 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.=0.1025, n=126. Normality test: Chi Squared @alpha = 0.01, calculated = 8.286, critical = 14.07. Kappa = 2.087 (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.

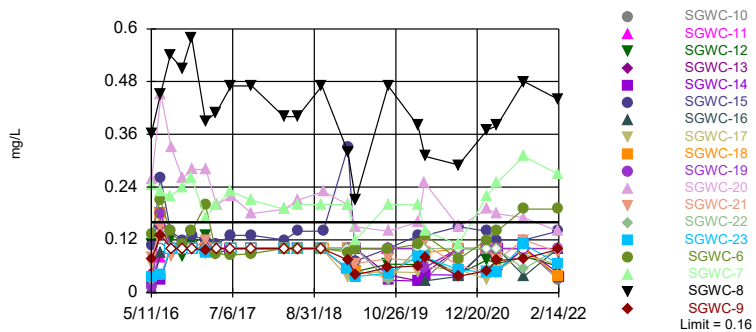
Constituent: Chloride, Total Analysis Run 4/28/2022 5:21 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: 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 154 background values. 59.74% NDs. Annual per-constituent alpha = 0.002986. Individual comparison alpha = 0.00008305 (1 of 2). Comparing 18 points to limit.

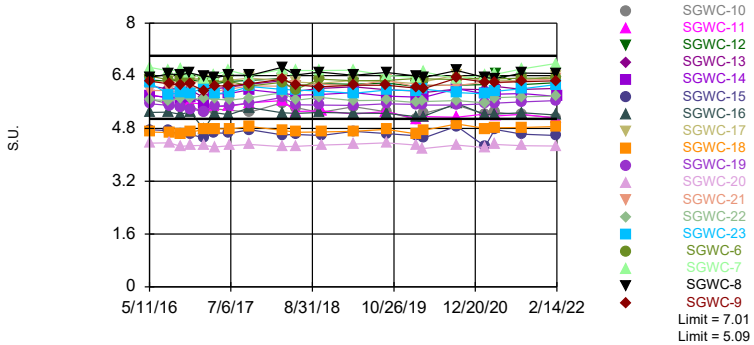
Constituent: Fluoride, total Analysis Run 4/28/2022 5:21 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j 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 147 background values. Annual per-constituent alpha = 0.006545. Individual comparison alpha = 0.0001821 (1 of 2). Comparing 18 points to limit.

Constituent: pH Analysis Run 4/28/2022 5:21 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

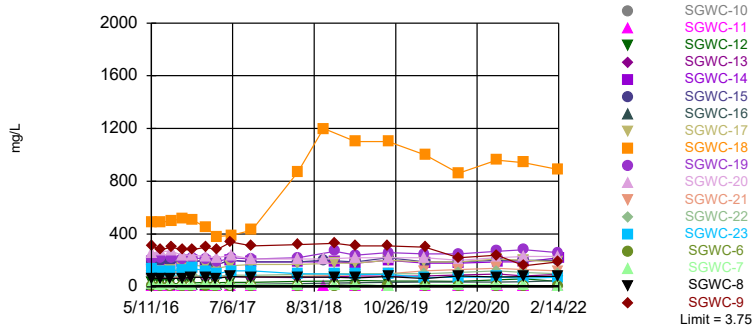
Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

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...

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 126 background values. 49.21% NDs. Annual per-constituent alpha = 0.004436. Individual comparison alpha = 0.0001235 (1 of 2). Comparing 18 points to limit.

Constituent: Sulfate, total Analysis Run 4/28/2022 5:21 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

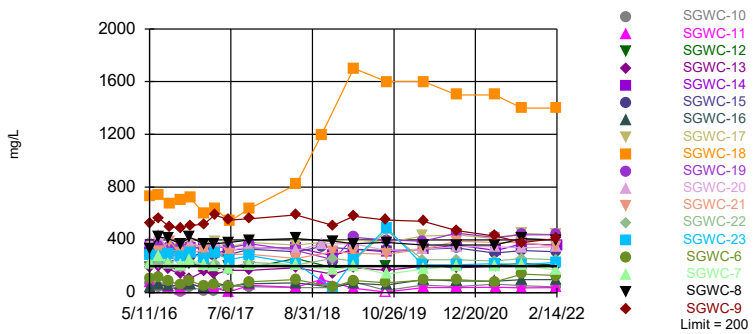
Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

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...

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 126 background values. 0.7937% NDs. Annual per-constituent alpha = 0.004436. Individual comparison alpha = 0.0001235 (1 of 2). Comparing 18 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:21 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
5/11/2016							<0.08	1.54	<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									0.0054 (J)
6/29/2016								1.52	
6/30/2016									
8/16/2016	<0.08	<0.08		<0.08	<0.08	<0.08			
8/17/2016			<0.08				<0.08		
8/18/2016									<0.08
8/19/2016									
8/22/2016								1.6	
10/13/2016	<0.08					<0.08			
10/14/2016		<0.08	<0.08	<0.08	<0.08				
10/17/2016							<0.08		<0.08
10/18/2016								2.4	
10/19/2016									
12/5/2016						<0.08			
12/6/2016	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		<0.08
12/7/2016								1.6	
12/8/2016									
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		
2/15/2017									<0.08
2/16/2017								1.6	
4/10/2017						<0.08			
4/11/2017	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
4/12/2017									<0.08
4/13/2017								1.7	
6/26/2017	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08		
6/27/2017			<0.08					1.8	<0.08
6/28/2017									
10/10/2017	<0.08				<0.08	<0.08			
10/11/2017		<0.08	<0.08	<0.08			<0.08		<0.08
10/12/2017								1.8	
6/5/2018	<0.08	<0.08	<0.08		<0.08	<0.08			
6/6/2018				<0.08			<0.08	1.8	<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
12/17/2018								1.6	
3/28/2019		<0.08	<0.08	<0.08			<0.08		
3/29/2019	<0.08				<0.08	<0.08			
4/1/2019								1.7	<0.08
4/2/2019									
9/12/2019		<0.08							
9/13/2019						<0.08			

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
9/16/2019	0.13		<0.08	0.05	0.089		<0.08	1.6	<0.08
9/17/2019									
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								1.6	
3/26/2020									<0.08
3/27/2020									
9/14/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	1.7	<0.08
9/15/2020									
3/30/2021	0.041 (J)				0.045 (J)	0.072 (J)			
3/31/2021		<0.08		<0.08			<0.08	1.5	
4/1/2021									
4/6/2021									
4/7/2021			<0.08						<0.08
8/17/2021	<0.08		<0.08		<0.08		<0.08		
8/18/2021		<0.08		<0.08		<0.08			
8/19/2021								1.5	
8/20/2021									0.043 (J)
2/9/2022	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
2/10/2022						<0.08		1.3	<0.08
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
5/10/2016									
5/11/2016	0.0678 (J)	0.242	0.0359 (J)	0.0275 (J)	<0.08				
5/12/2016						1.4	1.38	0.195	0.691
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	0.0767 (J)		0.0354 (J)		0.0051 (J)				
6/28/2016		0.245		0.035 (J)			1.29		
6/29/2016						1.25		0.198 (J)	0.557
6/30/2016									
8/16/2016									
8/17/2016	0.067	0.26	0.039 (J)	0.028 (J)	<0.08				
8/18/2016							1.3	0.24	
8/19/2016									0.58
8/22/2016						1.3			
10/13/2016									
10/14/2016									
10/17/2016	0.059	0.25		0.032 (J)	<0.08		1.6		
10/18/2016			0.039 (J)			1.7			0.68
10/19/2016								0.37	
12/5/2016									
12/6/2016	0.054	0.27	0.03 (J)	<0.08	<0.08				
12/7/2016						1.3	1.5	0.4	0.6
12/8/2016									
2/14/2017	0.063		0.031 (J)		<0.08				
2/15/2017		0.28		0.035 (J)			1.5	0.38	0.82
2/16/2017						1.4			
4/10/2017									
4/11/2017									
4/12/2017	0.068	0.29	0.039 (J)	0.052	<0.08		1.4		
4/13/2017						1.4		0.34	0.54
6/26/2017									
6/27/2017	0.067	0.29	0.028 (J)	<0.08	<0.08		1.6	0.33	
6/28/2017						1.4			0.59
10/10/2017									
10/11/2017		0.31	0.026 (J)		<0.08		1.5		
10/12/2017	0.075			0.049 (J)		1.4		0.47	0.54
6/5/2018									
6/6/2018	0.059	0.37	<0.08	0.07	<0.08				
6/7/2018						1.4	1.6	0.35	0.71
6/8/2018									
10/16/2018		0.35							
10/18/2018									
12/13/2018									
12/14/2018	0.064		<0.08		<0.08		1.4	0.44	
12/17/2018				0.098		1.2			0.6
3/28/2019									
3/29/2019									
4/1/2019	0.076	0.46	0.025 (J)	0.16			1.7		
4/2/2019					<0.08	1.2		0.32	0.52
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
9/16/2019		0.39			0.04 (J)				
9/17/2019	0.11		<0.08	0.077		1.1	1.4	0.43	
9/18/2019									0.54
3/17/2020									
3/18/2020									
3/23/2020						0.83			
3/24/2020								0.37	0.55
3/25/2020	0.089	0.45		0.12	<0.08				
3/26/2020			0.055 (J)						
3/27/2020							1.5		
9/14/2020	0.1	0.43	<0.08	0.082	<0.08				
9/15/2020						1.2	1.5	0.38	0.38
3/30/2021						1.1			
3/31/2021				0.15					0.51
4/1/2021	0.14		0.069 (J)		<0.08			0.31	
4/6/2021							1.6		
4/7/2021		0.68							
8/17/2021									
8/18/2021	0.14		0.047 (J)		<0.08	1.1		0.32	0.42
8/19/2021		0.54		0.091			1.7		
8/20/2021									
2/9/2022			<0.08		<0.08				
2/10/2022	0.16	0.53							0.45
2/11/2022				0.09		1		0.27	
2/14/2022							1.5		

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.562	1.57	1.99	0.411	0.599		
5/13/2016						1.87	3.71
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.546	1.36			0.52		
6/29/2016			1.88	0.373 (J)		1.67	
6/30/2016							3.8
8/16/2016							
8/17/2016							
8/18/2016	0.54	1.5			0.51		
8/19/2016				0.37			
8/22/2016			2			1.7	3.3
10/13/2016							
10/14/2016							
10/17/2016					0.58		
10/18/2016	0.55	1.9	2.5	0.41		2.1	
10/19/2016							4.5
12/5/2016							
12/6/2016					0.5		
12/7/2016	0.56	1.5		0.36			4.8
12/8/2016			1.9			1.7	
2/14/2017							
2/15/2017		1.5			0.5		
2/16/2017	0.58		2.3	0.38 (J)		2.3	3.9
4/10/2017							
4/11/2017							
4/12/2017		1.7			0.47		
4/13/2017	0.56		2	0.4		1.9	3.8
6/26/2017							
6/27/2017	0.56	1.7			0.51		
6/28/2017			2.3	0.35		1.9	3.6
10/10/2017							
10/11/2017					0.49		
10/12/2017	0.57	1.6	2.6	0.4		1.9	3.9
6/5/2018							
6/6/2018							
6/7/2018	0.59	1.7	2.1	0.41	0.45		
6/8/2018						1.8	4.3
10/16/2018		1.5					
10/18/2018			2.3				4.9
12/13/2018							
12/14/2018					0.47		
12/17/2018	0.55			0.4		1.8	
3/28/2019							
3/29/2019							
4/1/2019		1.6			0.57		
4/2/2019	0.53		2	0.44		2	5.3
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	0.55	1.4	1.8		0.43	1.8	5
9/18/2019				0.52			
3/17/2020							
3/18/2020							
3/23/2020			1.9			1.7	
3/24/2020				0.34			
3/25/2020							
3/26/2020							6
3/27/2020	0.59	1.4			0.49		
9/14/2020					0.49		
9/15/2020	0.57	1.4	1.8	0.5		1.9	6.2
3/30/2021			1.6			1.9	6.4
3/31/2021		1.4		0.47			
4/1/2021	0.55						
4/6/2021							
4/7/2021					0.59		
8/17/2021							
8/18/2021				0.44			6.6
8/19/2021	0.72	1.6	1.9		0.59	2.1	
8/20/2021							
2/9/2022							
2/10/2022	0.63			0.54			6.4
2/11/2022		1.2	1.5		0.48	1.7	
2/14/2022							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
5/10/2016	3	2.64	11.4	6.22	10.1	12.3			
5/11/2016							14.4	53.1	23.1
5/12/2016									
5/13/2016									
6/23/2016	2.42	1.65			8.45	11.3			
6/24/2016				5.55			14.2		
6/27/2016			9.16						
6/28/2016									21
6/29/2016								52.6	
6/30/2016									
8/16/2016	2.1	1.3		5	9.4	11			
8/17/2016			9.6				15		
8/18/2016									20
8/19/2016									
8/22/2016								57	
10/13/2016	2.7					12			
10/14/2016		1.4	11	5.4	10				
10/17/2016							16		21
10/18/2016								53	
10/19/2016									
12/5/2016						12			
12/6/2016	2.1	1.4	11	4.8	10		15		21
12/7/2016								47	
12/8/2016									
2/14/2017	1.8	1.4	12	4.6	11	13	17		
2/15/2017									23
2/16/2017								55	
4/10/2017						12			
4/11/2017	1.8	1.4	11	5	10		17		
4/12/2017									23
4/13/2017								56	
6/26/2017	1.7	1.5		4.9	10	13	18		
6/27/2017			9.5					53	22
6/28/2017									
10/10/2017	2.3				11	14			
10/11/2017		1.6	11	5.5			19		23
10/12/2017								55	
6/5/2018	2.6	1.5	9.7		11	13			
6/6/2018				4.1			18	54	22
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	1.7	1.4	9.4	4.3	10	12	18		
12/14/2018									21
12/17/2018								55	
3/28/2019		1.4	8.7	4.8			17		
3/29/2019	2				11	12			
4/1/2019								50	20
4/2/2019									
9/12/2019		1.6							
9/13/2019						14			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
9/16/2019	1.7		9.5	5.9	12		18	56	23
9/17/2019									
9/18/2019									
3/17/2020		1.7	8.8	5.3	11				
3/18/2020	1.8					14	18		
3/23/2020									
3/24/2020									
3/25/2020								55	
3/26/2020									22
3/27/2020									
9/14/2020	1.6	1.6	9.1	5.7	11	14	17	45	22
9/15/2020									
3/30/2021	2.2				12	15			
3/31/2021		1.6		5.5			17	47	
4/1/2021									
4/6/2021									
4/7/2021			9.5						23
8/17/2021	1.8		9.6		12		18		
8/18/2021		1.7		5.9		14			
8/19/2021								34	
8/20/2021									23
2/9/2022	1.8	1.8	9.3	6	11		18		
2/10/2022						15		37	23
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
5/10/2016									
5/11/2016	47.6	2.91	27.2	4.14	8.7				
5/12/2016						28.7	37.7	34.8	27.6
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	47		27.9		7.48				
6/28/2016		2.19		3.13			35.8		
6/29/2016						27.9		33.1	25.6
6/30/2016									
8/16/2016									
8/17/2016	45	1.9	23	4.1	8				
8/18/2016							37	35	
8/19/2016									29
8/22/2016						30			
10/13/2016									
10/14/2016									
10/17/2016	47	2		4.2	8.6		37		
10/18/2016			24			30			32
10/19/2016								38.5 (D)	
12/5/2016									
12/6/2016	45	1.9	23	4.3	8.2				
12/7/2016						29	38	39	30
12/8/2016									
2/14/2017	49		24		7.2				
2/15/2017		1.9		1.5			45	44	32
2/16/2017						31			
4/10/2017									
4/11/2017									
4/12/2017	50	1.9	25	2.2	6.7		39		
4/13/2017						32		45	31
6/26/2017									
6/27/2017	50	1.9	23	3.1	6.2		38	42	
6/28/2017						29			27
10/10/2017									
10/11/2017		2	22		6.5		44		
10/12/2017	51			1.2		31		48	31
6/5/2018									
6/6/2018	51	1.8	19	1.2	4.2				
6/7/2018						29	44	49	25
6/8/2018									
10/16/2018		1.8							
10/18/2018									
12/13/2018									
12/14/2018	46		16		6.5		37	46	
12/17/2018				4		29			24
3/28/2019									
3/29/2019									
4/1/2019	45	1.7	18	4.2			39		
4/2/2019					6.7	27		46	23
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
9/16/2019		1.9			8.9				
9/17/2019	52		16	0.79		30	38	51	
9/18/2019									26
3/17/2020									
3/18/2020									
3/23/2020						36			
3/24/2020								58	22
3/25/2020	48	2		2.9	11				
3/26/2020			21						
3/27/2020							41		
9/14/2020	49	1.8	20	0.75	10				
9/15/2020						38	40	54	21
3/30/2021						41			
3/31/2021				2.3					24
4/1/2021	52		22		11			57	
4/6/2021							42		
4/7/2021		1.9							
8/17/2021									
8/18/2021	49		22		11	39		55	21
8/19/2021		1.9		0.67			40		
8/20/2021									
2/9/2022			16		11				
2/10/2022	53	1.9							23
2/11/2022				0.55		36		58	
2/14/2022							41		

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.75	14.5	13.2	21.9	16.6		
5/13/2016						35.3	56.9
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.768	14.7			14.4		
6/29/2016			15.8	21.8		34.6	
6/30/2016							46.4
8/16/2016							
8/17/2016							
8/18/2016	0.7	15			15		
8/19/2016				22			
8/22/2016			15			38	48
10/13/2016							
10/14/2016							
10/17/2016					15		
10/18/2016	0.75	16	14	23		36	
10/19/2016							51
12/5/2016							
12/6/2016					14		
12/7/2016	0.73	15		23			50
12/8/2016			11			36	
2/14/2017							
2/15/2017		17			17		
2/16/2017	0.81		14	27		41	51
4/10/2017							
4/11/2017							
4/12/2017		14			16		
4/13/2017	0.88		17	27		39	35
6/26/2017							
6/27/2017	0.76	16			15		
6/28/2017			15	25		36	36
10/10/2017							
10/11/2017					16		
10/12/2017	1.1	17	17	27		39	43
6/5/2018							
6/6/2018							
6/7/2018	0.84	16	11	26	15		
6/8/2018						37	90
10/16/2018		16					
10/18/2018			12				100
12/13/2018							
12/14/2018					16		
12/17/2018	0.94			28		42	
3/28/2019							
3/29/2019							
4/1/2019		16			17		
4/2/2019	0.92		14	26		38	89
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	1	17	14		17	44	87
9/18/2019				27			
3/17/2020							
3/18/2020							
3/23/2020			13			46	
3/24/2020				31			
3/25/2020							
3/26/2020							81
3/27/2020	1.5	17			18		
9/14/2020					19		
9/15/2020	1.1	17	14	28		47	74
3/30/2021			14			50	68
3/31/2021		17		30			
4/1/2021	1.2						
4/6/2021							
4/7/2021					19		
8/17/2021							
8/18/2021				30			55
8/19/2021	1.1	17	12		20	45	
8/20/2021							
2/9/2022							
2/10/2022	1.2			27			55
2/11/2022		16	13		19	46	
2/14/2022							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
5/10/2016	1.9	1.98	2.77	3.45	1.51	1.94			
5/11/2016							1.93	9.29	9.04
5/12/2016									
5/13/2016									
6/23/2016	2.2	2.1			1.8	2.2			
6/24/2016				3.5			1.8		
6/27/2016			2.9						
6/28/2016									8.8
6/29/2016								9	
6/30/2016									
8/16/2016	2.1	1.8		3.4	1.5	2			
8/17/2016			2.4				1.4		
8/18/2016									9.3
8/19/2016									
8/22/2016								9.7	
10/13/2016	2					1.9			
10/14/2016		1.8	2.1	3.1	1.4				
10/17/2016							1.2		8.3
10/18/2016								9.4	
10/19/2016									
12/5/2016						1.9			
12/6/2016	2.2	1.8	1.7	3	1.5		1.3		8.9
12/7/2016								11	
12/8/2016									
2/14/2017	2	1.8	1.5	2.4	1.5	1.9	1.3		
2/15/2017									8.7
2/16/2017								9.5	
4/10/2017						1.8			
4/11/2017	1.8	1.7	1.7	2.5	1.3		1.2		
4/12/2017									8.6
4/13/2017								8.7	
6/26/2017	1.9	1.7		2.6	1.4	1.9	1.2		
6/27/2017			2.2					9.9	9.3
6/28/2017									
10/10/2017	1.8				1.3	1.8			
10/11/2017		1.6	1.7	2.4			1.1		8.8
10/12/2017								11	
6/5/2018	1.7	1.6	2		1.3	1.9			
6/6/2018				2			1.1	12	8.8
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	1.7	1.7	1.9	2	1.3	2	1.2		
12/14/2018									9.1
12/17/2018								13	
3/28/2019		1.7	2.2	2			1.2		
3/29/2019	1.5				1.2	1.8			
4/1/2019								13	9
4/2/2019									
9/12/2019		1.5							
9/13/2019						1.7			

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
9/16/2019	1.8		1.9	2.2	1.3		1.2	14	9.3
9/17/2019									
9/18/2019									
3/17/2020		1.9	2.4	2.1	1.6				
3/18/2020	2					2.4	1.5		
3/23/2020									
3/24/2020									
3/25/2020								15	
3/26/2020									9.4
3/27/2020									
9/14/2020	2.1	1.9	2.7	2.5	1.5	2.5	1.5	19	10
9/15/2020									
3/30/2021	2.3				1.6	2.5			
3/31/2021		2.1		2.3			1.6	16	
4/1/2021									
4/6/2021									
4/7/2021			2.3						9
8/17/2021	1.9		2.6		1.6		1.6		
8/18/2021		2.2		2.4		2.7			
8/19/2021								18	
8/20/2021									9.9
2/9/2022	2	1.9	1.8	2.3	1.5		1.5		
2/10/2022						2.4		15	10
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
5/10/2016									
5/11/2016	12.6	8.87	9.65	9.53	2.44				
5/12/2016						7.93	11.1	9.11	9.63
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	13		6.7		2.5				
6/28/2016		8.3		9.1			10		
6/29/2016						7.7		8.3	8.8
6/30/2016									
8/16/2016									
8/17/2016	14	8.6	6.4	9.4	2.4				
8/18/2016							11	8.8	
8/19/2016									9.6
8/22/2016						7.9			
10/13/2016									
10/14/2016									
10/17/2016	12	7.9		8.9	2.3		11		
10/18/2016			5.9			7.1			9.6
10/19/2016								8.3	
12/5/2016									
12/6/2016	12	7.9	5.9	8.9	2.3				
12/7/2016						7.7	11	8.4	9.7
12/8/2016									
2/14/2017	12		5.8		1.9				
2/15/2017		7.2		9			11	8.1	10
2/16/2017						7.4			
4/10/2017									
4/11/2017									
4/12/2017	11	7.5	5.6	8.5	1.6		10		
4/13/2017						7.4		7.9	9
6/26/2017									
6/27/2017	12	7.8	5.7	9.1	1.6		11	8.3	
6/28/2017						8.1			9.6
10/10/2017									
10/11/2017		7.4	5		1.6		10		
10/12/2017	11			8.5		8.1		8	9.3
6/5/2018									
6/6/2018	11	7.5	4.6	8.6	1.3				
6/7/2018						8.6	10	8	10
6/8/2018									
10/16/2018		7.8							
10/18/2018									
12/13/2018									
12/14/2018	11		4.2		1.8		10	8.1	
12/17/2018				8.6		9.3			9.9
3/28/2019									
3/29/2019									
4/1/2019	10	7.4	4.6	7.8			9.9		
4/2/2019					2	9.3		8.2	8.9
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
9/16/2019		7.9			1.9				
9/17/2019	12		3.8	9.7		10	11	8.3	
9/18/2019									9.7
3/17/2020									
3/18/2020									
3/23/2020						11			
3/24/2020								7.8	9.1
3/25/2020	10	9		8.8	2.3				
3/26/2020			5.1						
3/27/2020							11		
9/14/2020	14	8.9	5.8	10	2.8				
9/15/2020						12	11	8.4	10
3/30/2021						13			
3/31/2021				9.2					11
4/1/2021	12		6		2.4			9.2	
4/6/2021							11		
4/7/2021		8.8							
8/17/2021									
8/18/2021	14		5		2.5	13		8.9	11
8/19/2021		9.9		9.3			11		
8/20/2021									
2/9/2022			4		2.6				
2/10/2022	12	8.8							12
2/11/2022				11		11		8.4	
2/14/2022							14		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	8.56	9.47	10.8	10.6	6.29		
5/13/2016						8.16	4.87
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	7.8	9.8			5.4		
6/29/2016			11	9.7		7.6	
6/30/2016							4.7
8/16/2016							
8/17/2016							
8/18/2016	8.5	10			5.8		
8/19/2016				11			
8/22/2016			11			8.2	5
10/13/2016							
10/14/2016							
10/17/2016					5.4		
10/18/2016	8	9.4	10	10		7.7	
10/19/2016							5.1
12/5/2016							
12/6/2016					5.6		
12/7/2016	8	9.8		10			5.6
12/8/2016			9.7			7.8	
2/14/2017							
2/15/2017		9.8			5.4		
2/16/2017	7.7		9.8	9.8		7.4	7.4
4/10/2017							
4/11/2017							
4/12/2017		9.2			5.6		
4/13/2017	7.5		10	9.6		7.5	8.9
6/26/2017							
6/27/2017	8	9.5			5.9		
6/28/2017			12	10		7.9	10
10/10/2017							
10/11/2017					5.7		
10/12/2017	7.6	9.2	11	9.7		7.4	7.4
6/5/2018							
6/6/2018							
6/7/2018	7.7	9.3	9.9	10	6.2		
6/8/2018						7.2	9
10/16/2018		10					
10/18/2018			11				16
12/13/2018							
12/14/2018					7.5		
12/17/2018	8.1			10		7.3	
3/28/2019							
3/29/2019							
4/1/2019		9.2			7.7		
4/2/2019	8.2		11	10		7.3	15
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	8.4	10	11		8.4	7.4	13
9/18/2019				10			
3/17/2020							
3/18/2020							
3/23/2020			10			7.7	
3/24/2020				10			
3/25/2020							
3/26/2020							12
3/27/2020	8.5	10			9		
9/14/2020					11		
9/15/2020	8.6	10	11	11		7.7	11
3/30/2021			9.9			8.3	11
3/31/2021		11		11			
4/1/2021	9.2						
4/6/2021							
4/7/2021					10		
8/17/2021							
8/18/2021				11			15
8/19/2021	9.5	11	10		12	9.4	
8/20/2021							
2/9/2022							
2/10/2022	9.8			10			19
2/11/2022		12	9.6		12	10	
2/14/2022							

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWC-8	SGWA-4 (bg)	SGWC-11
5/10/2016	<0.1	0.0192 (J)	0.0648 (J)	0.0537 (J)	0.0188 (J)	0.041 (J)			
5/11/2016							0.362	0.108 (J)	0.033 (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)	0.45		
6/28/2016									0.08 (J)
6/29/2016									
6/30/2016									
8/16/2016	<0.1	<0.1	<0.1	<0.1	<0.1				
8/17/2016						<0.1	0.54	<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							0.51	<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	0.58	0.091 (J)	<0.1
12/7/2016									
12/8/2016									
2/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.39	0.1 (J)	
2/15/2017									<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							0.41		<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	0.47		<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							0.47		
3/26/2018	<0.1	<0.1	<0.1	<0.1					
3/27/2018					<0.1	<0.1	0.4	<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					0.4	<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							0.47		
10/16/2018									<0.1
10/18/2018									
2/18/2019	<0.1			0.05 (J)				0.066 (J)	
2/19/2019		<0.1	0.06 (J)		<0.1	0.044 (J)			
2/20/2019							0.32		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-3 (bg)	SGWA-24 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWC-8	SGWA-4 (bg)	SGWC-11
3/28/2019		0.026 (J)			<0.1	0.037 (J)		0.052 (J)	
3/29/2019	<0.1		0.056 (J)	0.053 (J)					
4/1/2019							0.21		<0.1
4/2/2019									
9/12/2019					<0.1				
9/13/2019			0.049 (J)						
9/16/2019	<0.1	0.026 (J)		0.054 (J)		0.04 (J)		0.055 (J)	<0.1
9/17/2019							0.47		
9/18/2019									
2/13/2020	<0.1		0.066 (J)	0.051 (J)					
2/17/2020					<0.1	0.041 (J)			
2/18/2020		<0.1					0.38	0.068 (J)	<0.1
2/19/2020									
2/20/2020									
3/17/2020		0.029 (J)		0.038 (J)	0.03 (J)	0.041 (J)			
3/18/2020	<0.1		0.078 (J)					<0.1	
3/23/2020									
3/24/2020									
3/25/2020							0.31		0.058 (J)
3/26/2020									
3/27/2020									
9/14/2020	<0.1	<0.1	0.038 (J)	0.033 (J)	<0.1	0.028 (J)	0.29	0.035 (J)	<0.1
9/15/2020									
2/9/2021	<0.1	<0.1	0.059 (J)	0.055 (J)	<0.1	0.037 (J)	0.37	0.059 (J)	<0.1
2/10/2021									
3/30/2021	<0.1		0.052 (J)	0.048 (J)					
3/31/2021		<0.1			<0.1			0.051 (J)	
4/1/2021							0.38		
4/6/2021									
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		0.066 (J)	0.16		0.07 (J)		0.48		
8/19/2021									<0.1
8/20/2021									
2/9/2022	0.034 (J)	0.049 (J)		0.11	0.044 (J)	0.069 (J)		0.083 (J)	
2/10/2022			0.061 (J)				0.44		<0.1
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-20	SGWC-22	SGWC-16	SGWC-23
5/10/2016									
5/11/2016	0.019 (J)	0.076 (J)	0.133 (J)	0.245 (J)	0.11 (J)				
5/12/2016						0.259 (J)	0.029 (J)	0.011 (J)	0.0341 (J)
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016			0.21 (J)	0.23 (J)					
6/28/2016	<0.1				0.18 (J)			0.09 (J)	
6/29/2016		0.13 (J)				0.45	0.04 (J)		0.04 (J)
6/30/2016									
8/16/2016									
8/17/2016	<0.1		0.14 (J)	0.22					
8/18/2016					0.12 (J)			<0.1	
8/19/2016							<0.1		<0.1
8/22/2016		<0.1				0.33			
10/13/2016									
10/14/2016									
10/17/2016	<0.1		0.11 (J)		0.082 (J)				
10/18/2016		<0.1		0.24		0.26	<0.1	<0.1	<0.1
10/19/2016									
12/5/2016									
12/6/2016	<0.1		0.14 (J)	0.26	0.11 (J)				
12/7/2016		<0.1					<0.1	<0.1	<0.1
12/8/2016						0.28			
2/14/2017			0.2	0.17 (J)					
2/15/2017	<0.1				0.13 (J)				0.092 (J)
2/16/2017		0.097 (J)				0.28	0.1 (J)	<0.1	
4/10/2017									
4/11/2017									
4/12/2017	<0.1		0.089 (J)	0.2	0.088 (J)				
4/13/2017		<0.1				0.2	<0.1	<0.1	<0.1
6/26/2017									
6/27/2017	<0.1	<0.1	0.085 (J)	0.23	0.1 (J)			<0.1	
6/28/2017						0.22	<0.1		<0.1
10/10/2017									
10/11/2017			0.089 (J)	0.21	<0.1				
10/12/2017	<0.1	<0.1				0.18 (J)	<0.1	<0.1	<0.1
3/26/2018									
3/27/2018	<0.1		<0.1	0.19 (J)	<0.1			<0.1	<0.1
3/28/2018		<0.1				0.19 (J)	<0.1		
6/5/2018									
6/6/2018	<0.1	<0.1	<0.1	0.2	<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
10/9/2018	<0.1	<0.1		0.2					
10/16/2018									
10/18/2018						0.23			
2/18/2019									
2/19/2019							<0.1		0.055 (J)
2/20/2019	<0.1	0.074 (J)	0.092 (J)	0.2	0.052 (J)	0.2		<0.1	

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-9	SGWC-6	SGWC-7	SGWC-12	SGWC-20	SGWC-22	SGWC-16	SGWC-23
3/28/2019									
3/29/2019									
4/1/2019	<0.1	0.041 (J)		0.12 (J)	0.048 (J)				
4/2/2019			0.1 (J)			0.15 (J)	<0.1	<0.1	0.036 (J)
9/12/2019									
9/13/2019									
9/16/2019		0.057 (J)	0.099 (J)		0.065 (J)				
9/17/2019	<0.1			0.2		0.14		<0.1	
9/18/2019							0.028 (J)		0.044 (J)
2/13/2020									
2/17/2020									
2/18/2020			0.11	0.2		0.16	<0.1		0.082 (J)
2/19/2020	<0.1	0.061 (J)			0.064 (J)			<0.1	
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020						0.25			
3/24/2020							<0.1		0.081 (J)
3/25/2020	0.031 (J)	0.079 (J)	0.13						
3/26/2020				0.14	0.081 (J)				
3/27/2020								0.027 (J)	
9/14/2020	<0.1	0.037 (J)	0.076 (J)	0.11	0.042 (J)				
9/15/2020						0.15	<0.1	0.037 (J)	0.052 (J)
2/9/2021	<0.1	0.05 (J)	0.12	0.22	0.074 (J)			<0.1	
2/10/2021						0.19	<0.1		0.046 (J)
3/30/2021						0.18			
3/31/2021	0.047 (J)	0.073 (J)					<0.1		0.046 (J)
4/1/2021			0.14	0.25				<0.1	
4/6/2021									
4/7/2021					0.066 (J)				
8/17/2021									
8/18/2021			0.19	0.31			0.054 (J)		0.11
8/19/2021	<0.1	0.078 (J)				0.17		0.038 (J)	
8/20/2021					0.082 (J)				
2/9/2022			0.19	0.27					
2/10/2022		0.098 (J)			0.06 (J)		<0.1	<0.1	0.066 (J)
2/11/2022	0.03 (J)					0.14			
2/14/2022									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-14	SGWC-21	SGWC-15	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	0.066 (J)	0.031 (J)	0.079 (J)	0.1071 (J)	0.042 (J)		
5/13/2016						0.0126 (J)	0.0343 (J)
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		0.03 (J)		0.26 (J)	0.15 (J)		
6/29/2016	0.17 (J)		0.15 (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							
8/22/2016			0.083 (J)			<0.1	<0.1
10/13/2016							
10/14/2016							
10/17/2016		<0.1			<0.1		
10/18/2016			<0.1	0.12 (J)		<0.1	
10/19/2016	<0.1						<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	0.089 (J)	<0.1		0.12 (J)	<0.1		
2/16/2017			0.12 (J)			<0.1	<0.1
4/10/2017							
4/11/2017							
4/12/2017		<0.1		0.11 (J)	<0.1		
4/13/2017	<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 (J)			<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		0.12 (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	<0.1	0.14 (J)	<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							
2/20/2019	0.034 (J)	<0.1	0.051 (J)	0.33	<0.1	<0.1	<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-14	SGWC-21	SGWC-15	SGWC-13	SGWC-19	SGWC-18
3/28/2019							
3/29/2019							
4/1/2019		<0.1		0.072 (J)	<0.1		
4/2/2019	0.045 (J)		0.066 (J)			<0.1	0.05 (J)
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019	0.047 (J)	0.028 (J)	0.077 (J)	0.1	0.04 (J)	<0.1	0.034 (J)
9/18/2019							
2/13/2020							
2/17/2020							
2/18/2020			0.073 (J)				
2/19/2020	0.046 (J)	0.026 (J)		0.13	0.027 (J)	<0.1	
2/20/2020							<0.1
3/17/2020							
3/18/2020							
3/23/2020			0.11			0.057 (J)	
3/24/2020	0.058 (J)						
3/25/2020							
3/26/2020							0.091 (J)
3/27/2020		0.041 (J)		0.13	0.045 (J)		
9/14/2020					<0.1		
9/15/2020	0.052 (J)	0.04 (J)	0.061 (J)	0.15		<0.1	<0.1
2/9/2021		<0.1		0.14	<0.1		
2/10/2021	0.03 (J)		0.049 (J)			<0.1	<0.1
3/30/2021			0.074 (J)			<0.1	0.1 (J)
3/31/2021				0.12			
4/1/2021	0.051 (J)						
4/6/2021		<0.1					
4/7/2021					0.053 (J)		
8/17/2021							
8/18/2021	0.087 (J)		0.12				0.099 (J)
8/19/2021		<0.1		0.12	<0.1	<0.1	
8/20/2021							
2/9/2022							
2/10/2022							0.039 (J)
2/11/2022	0.064 (J)		0.092 (J)	0.14	0.045 (J)	<0.1	
2/14/2022		0.035 (J)					

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 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-12	SGWC-10	SGWA-4 (bg)
5/10/2016	5.51	5.84	5.75	6.14	6.34	6.83			
5/11/2016							6.28	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				5.55	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							6.27	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	6.28	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							6.21	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							6.15	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			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			6.32	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				6.1	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			6.16		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							6.14	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	6.18		6.44
9/17/2019								5.31	
9/18/2019									

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 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-12	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						6.38
2/19/2020							6.07	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								5.26	
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	6.11	5.51	6.4
9/15/2020									
2/9/2021	5.25	5.53	5.8	6.06	6.4	6.75	6.13	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			6.44		
8/17/2021	5.26			6.08		6.84			6.41
8/18/2021		5.51	5.85		6.45				
8/19/2021								5.21	
8/20/2021							6.13		
2/9/2022	5.28	5.56	5.84	6.17		7.01			6.38
2/10/2022					6.38		6.19		
2/11/2022								5.13	
2/14/2022									

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-11	SGWC-20	SGWC-14	SGWC-16	SGWC-23
5/10/2016									
5/11/2016	6.39	6.66	6.35	6.24	5.84				
5/12/2016						4.36	5.79	5.29	6.18
5/13/2016									
8/16/2016									
8/17/2016	6.28	6.55	6.45		5.71				
8/18/2016							5.75	5.3	
8/19/2016									5.84
8/22/2016				6.15		4.37			
10/13/2016									
10/14/2016									
10/17/2016	6.3		6.43		5.69		5.73		
10/18/2016		6.59		6.11		4.26		5.23	5.89
10/19/2016									
12/5/2016									
12/6/2016	6.3	6.51	6.48		5.58				
12/7/2016				6.14			5.75	5.31	5.87
12/8/2016						4.28			
2/14/2017	6.31	6.3	6.39						
2/15/2017					5.54		5.58		6.04
2/16/2017				5.95		4.29		4.77	
4/10/2017									
4/11/2017									
4/12/2017	6.23	6.43	6.35		5.47		5.85		
4/13/2017				6.09		4.24		5.28	5.85
6/26/2017									
6/27/2017	6.23	6.56	6.41	6.09	5.47		5.86	5.22	
6/28/2017						4.28			5.9
10/10/2017									
10/11/2017	6.09	6.4			5.58		5.98		
10/12/2017			6.41	6.16		4.32		5.43	6.07
3/26/2018									
3/27/2018	6.2	6.6	6.66		5.65		5.87	5.28	5.99
3/28/2018				6.3		4.25			
6/5/2018									
6/6/2018	5.99	6.56	6.42	6.12	5.32				
6/7/2018						4.26	5.81	5.26	5.97
6/8/2018									
10/5/2018									
10/8/2018	6.3						5.83	5.29	5.94
10/9/2018		6.56	6.51	6.06					
10/16/2018					5.34				
10/18/2018						4.3			
3/28/2019									
3/29/2019									
4/1/2019		6.57	6.41	6.11	5.24		5.89		
4/2/2019	6.25					4.33		5.27	5.87
9/12/2019									
9/13/2019									
9/16/2019	6.26			6.11	5.32				
9/17/2019		6.41	6.5			4.37	5.78	5.26	
9/18/2019									5.97

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-11	SGWC-20	SGWC-14	SGWC-16	SGWC-23
2/13/2020									
2/17/2020									
2/18/2020	6.32	6.35	6.39		5.09	4.3			5.95
2/19/2020				6.03			5.75	5.16	
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020						4.19			
3/24/2020									6
3/25/2020	6.31		6.35	6.01	5.16				
3/26/2020		6.52							
3/27/2020							5.74	5.17	
5/19/2020									
9/14/2020	6.29	6.31	6.56	6.33	5.14				
9/15/2020						4.3	6.01	5.56	5.89
2/9/2021	6.34	6.42	6.35	6.21	5.24		5.85	5.22	
2/10/2021						4.22			5.85
3/30/2021						4.32			
3/31/2021				6.2					5.93
4/1/2021	6.31	6.44	6.32					5.24	
4/6/2021							5.84		
4/7/2021					5.18				
8/17/2021									
8/18/2021	6.33	6.61	6.48						6.01
8/19/2021				6.22	5.23	4.28	5.86	5.28	
8/20/2021									
2/9/2022	6.33	6.77							
2/10/2022			6.47	6.25	5.11			5.21	6.13
2/11/2022						4.27			
2/14/2022							5.77		

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-17	SGWC-22	SGWC-13	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	5.95	6.21	5.675 (D)	6.09	4.76		
5/13/2016						4.7	5.55
8/16/2016							
8/17/2016							
8/18/2016		6.24		6	4.73		
8/19/2016			5.65				
8/22/2016	5.96					4.68	5.5
10/13/2016							
10/14/2016							
10/17/2016				6.01			
10/18/2016	5.9		5.71		4.62		5.46
10/19/2016		6.2				4.65	
12/5/2016							
12/6/2016				5.98			
12/7/2016	6.03	6.19	5.71		4.63	4.69	
12/8/2016							5.39
2/14/2017							
2/15/2017		6.25		5.74	4.51		
2/16/2017	6.03		5.7			4.77	5.32
4/10/2017							
4/11/2017							
4/12/2017				6.01	4.67		
4/13/2017	5.93	6.21	5.7			4.79	5.47
6/26/2017							
6/27/2017		6.27		6.05	4.66		
6/28/2017	6		5.66			4.78	5.5
10/10/2017							
10/11/2017				6.14			
10/12/2017	6.09	6.33	5.73		4.76	4.86	5.57
3/26/2018							
3/27/2018		6.26		6.25	4.61		
3/28/2018	6.08		5.89			4.74	5.74
6/5/2018							
6/6/2018							
6/7/2018	6.1	6.21	5.66	5.93	4.62		
6/8/2018						4.69	5.52
10/5/2018							
10/8/2018	6.14	6.17	5.74	6.02			
10/9/2018							5.51
10/16/2018					4.59		
10/18/2018						4.7	
3/28/2019							
3/29/2019							
4/1/2019				6.06	4.72		
4/2/2019	6.09	6.26	5.65			4.72	5.5
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019	6.27	6.23		5.98	4.65	4.77	5.55
9/18/2019			5.66				

Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-17	SGWC-22	SGWC-13	SGWC-15	SGWC-18	SGWC-19
2/13/2020							
2/17/2020							
2/18/2020	6.06		5.59				
2/19/2020		6.16		5.94	4.58		5.53
2/20/2020						4.64	
3/17/2020							
3/18/2020							
3/23/2020	6.12						5.51
3/24/2020		6.21	5.62				
3/25/2020							
3/26/2020						4.74	
3/27/2020				5.89	4.51		
5/19/2020							
9/14/2020				6			
9/15/2020	6.1	6.42	5.65		4.87	4.94	5.51
2/9/2021				5.98	4.26		
2/10/2021	6.21	6.23	5.58			4.8	5.55
3/30/2021	6.17					4.82	5.57
3/31/2021			5.73		4.77		
4/1/2021		6.25					
4/6/2021							
4/7/2021				6.07			
8/17/2021							
8/18/2021	6.26	6.26	5.76			4.83	
8/19/2021				5.99	4.63		5.61
8/20/2021							
2/9/2022							
2/10/2022			5.78			4.86	
2/11/2022	6.31	6.39		6.02	4.59		5.65
2/14/2022							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
5/10/2016	0.6766 (J)	0.4716 (J)	0.686 (J)	2.82	0.4053 (J)	<1			
5/11/2016							3.75	313	30.1
5/12/2016									
5/13/2016									
6/23/2016	0.94 (J)	0.46 (J)			0.55 (J)	0.3 (J)			
6/24/2016				2.3			3		
6/27/2016			0.61 (J)						
6/28/2016									25
6/29/2016								280	
6/30/2016									
8/16/2016	1.2	<1		1.5	<1	<1			
8/17/2016			<1				1.8		
8/18/2016									24
8/19/2016									
8/22/2016								300	
10/13/2016	2.9					<1			
10/14/2016		<1	<1	1.2	<1				
10/17/2016							1.4		23
10/18/2016								280	
10/19/2016									
12/5/2016						<1			
12/6/2016	3.2	<1	<1	1.3	<1		1.4		28
12/7/2016								280	
12/8/2016									
2/14/2017	0.76 (J)	<1	<1	1.9	<1	<1	1.1		
2/15/2017									33
2/16/2017								300	
4/10/2017						<1			
4/11/2017	<1	<1	<1	1.3	<1		1		
4/12/2017									30
4/13/2017								280	
6/26/2017	0.74 (J)	<1		1.5	<1	<1	0.99 (J)		
6/27/2017			<1					340	33
6/28/2017									
10/10/2017	0.76 (J)				<1	<1			
10/11/2017		<1	<1	0.98 (J)			0.93 (J)		33
10/12/2017								310	
6/5/2018	<1	<1	<1		<1	<1			
6/6/2018				1.8			0.89 (J)	320	41
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									43
12/17/2018								330	
3/28/2019		<1	<1	1.9			1.2		
3/29/2019	<1				0.65 (J)	<1			
4/1/2019								310	48
4/2/2019									
9/12/2019		<1							
9/13/2019						<1			

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
9/16/2019	0.98 (J)		<1	0.92 (J)	0.68 (J)		1.1	310	44
9/17/2019									
9/18/2019									
3/17/2020		0.55 (J)	0.61 (J)	1.6	0.78 (J)				
3/18/2020	1.2					0.45 (J)	1.3		
3/23/2020									
3/24/2020									
3/25/2020								300	
3/26/2020									44
3/27/2020									
9/14/2020	0.58 (J)	<1	<1	0.82 (J)	<1	<1	0.96 (J)	220	41
9/15/2020									
3/30/2021	1.2				<1	<1			
3/31/2021		<1		1.1			1.1	240	
4/1/2021									
4/6/2021									
4/7/2021			<1						54
8/17/2021	<1		<1		<1		1.1		
8/18/2021		<1		0.9 (J)		1			
8/19/2021								160	
8/20/2021									60
2/9/2022	1	<1	<1	1.3	1.2		1.1		
2/10/2022						<1		190	41
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
5/10/2016									
5/11/2016	61.6	6.31	21.6	7.43	0.866 (J)				
5/12/2016						76.9	194	125	131
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	64		17		0.86 (J)				
6/28/2016		3.7		6.3			200		
6/29/2016						78		120	120
6/30/2016									
8/16/2016									
8/17/2016	63	2.4	19	11	<1				
8/18/2016							180	130	
8/19/2016									120
8/22/2016						78			
10/13/2016									
10/14/2016									
10/17/2016	64	2.1		4.4	<1		190		
10/18/2016			17			70			130
10/19/2016								140	
12/5/2016									
12/6/2016	72	1.9	18	11	<1				
12/7/2016						80	200	160	140
12/8/2016									
2/14/2017	73		21		1				
2/15/2017		1.2		1.3			190	160	120
2/16/2017						77			
4/10/2017									
4/11/2017									
4/12/2017	64	1	18	2.8	<1		170		
4/13/2017						70		140	100
6/26/2017									
6/27/2017	77	1.2	19	8.2	<1		200	160	
6/28/2017						82			120
10/10/2017									
10/11/2017		0.82 (J)	15		<1		190		
10/12/2017	74			1.3		76		170	120
6/5/2018									
6/6/2018	74	0.89 (J)	14	2.9	<1				
6/7/2018						79	190	170	100
6/8/2018									
10/16/2018		1.3							
10/18/2018									
12/13/2018									
12/14/2018	72		10		<1		190	180	
12/17/2018				16		88			96
3/28/2019									
3/29/2019									
4/1/2019	67	0.81 (J)	16	21			180		
4/2/2019					1.3	92		180	95
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
9/16/2019		0.72 (J)			0.53 (J)				
9/17/2019	77		8.7	2.3		99	200	200	
9/18/2019									95
3/17/2020									
3/18/2020									
3/23/2020						120			
3/24/2020								190	71
3/25/2020	62	0.58 (J)		14	0.58 (J)				
3/26/2020			15						
3/27/2020							180		
9/14/2020	81	0.59 (J)	17	2.2	0.46 (J)				
9/15/2020						130	180	190	72
3/30/2021						140			
3/31/2021				15					75
4/1/2021	74		18		<1			210	
4/6/2021							190		
4/7/2021		1.3							
8/17/2021									
8/18/2021	78		12		<1	130		200	66
8/19/2021		<1		2.2			190		
8/20/2021									
2/9/2022			7.1		0.88 (J)				
2/10/2022	80	<1							73
2/11/2022				2.1		120		190	
2/14/2022							220		

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	9.9	194	255	85.3	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			270	84		220	
6/30/2016							490
8/16/2016							
8/17/2016							
8/18/2016	14	190			78		
8/19/2016				81			
8/22/2016			270			220	500
10/13/2016							
10/14/2016							
10/17/2016					73		
10/18/2016	15	190	240	83		210	
10/19/2016							520
12/5/2016							
12/6/2016					76		
12/7/2016	17	200		85			510
12/8/2016			240			220	
2/14/2017							
2/15/2017		190			73		
2/16/2017	17		230	83		210	450
4/10/2017							
4/11/2017							
4/12/2017		170			70		
4/13/2017	15		220	79		190	380
6/26/2017							
6/27/2017	19	200			78		
6/28/2017			240	90		220	390
10/10/2017							
10/11/2017					72		
10/12/2017	20	190	210	87		210	430
6/5/2018							
6/6/2018							
6/7/2018	25	190	210	94	69		
6/8/2018						220	870
10/16/2018		200					
10/18/2018			210				1200
12/13/2018							
12/14/2018					74		
12/17/2018	28			99		270	
3/28/2019							
3/29/2019							
4/1/2019		190			82		
4/2/2019	31		220	100		240	1100
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	33	220	220		79	260	1100
9/18/2019				100			
3/17/2020							
3/18/2020							
3/23/2020			220			250	
3/24/2020				100			
3/25/2020							
3/26/2020							1000
3/27/2020	35	190			81		
9/14/2020					89		
9/15/2020	36	190	200	110		250	860
3/30/2021			220			270	960
3/31/2021		200		120			
4/1/2021	37						
4/6/2021							
4/7/2021					96		
8/17/2021							
8/18/2021				110			940
8/19/2021	38	200	230		82	280	
8/20/2021							
2/9/2022							
2/10/2022	45			100			890
2/11/2022		200	230		94	260	
2/14/2022							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
5/10/2016	44	64	100	59	96	110			
5/11/2016							91	527	195
5/12/2016									
5/13/2016									
6/23/2016	38	58			91	118			
6/24/2016				39			78		
6/27/2016			117						
6/28/2016									200
6/29/2016								562	
6/30/2016									
8/16/2016	22	52		38	100	110			
8/17/2016			86				100		
8/18/2016									200
8/19/2016									
8/22/2016								500	
10/13/2016	66					120			
10/14/2016		58	80	34	100				
10/17/2016							58		160
10/18/2016								490	
10/19/2016									
12/5/2016						110			
12/6/2016	54	72	110	70	110		98		220
12/7/2016								510	
12/8/2016									
2/14/2017	18	52	98	32	76	86	78		
2/15/2017									200
2/16/2017								520	
4/10/2017						120			
4/11/2017	50	78	110	64	120		110		
4/12/2017									180
4/13/2017								590	
6/26/2017	60	80		64	110	130	110		
6/27/2017			18					550	200
6/28/2017									
10/10/2017	36				100	110			
10/11/2017		64	94	42			120		190
10/12/2017								560	
6/5/2018	8	50	80		74	76			
6/6/2018				46			120	590	260
6/7/2018									
6/8/2018									
10/16/2018									
10/18/2018									
12/13/2018	16	58	4 (J)	4 (J)	110	100	94		
12/14/2018									190
12/17/2018								510	
3/28/2019		58	79	43			110		
3/29/2019	<10				72	110			
4/1/2019								580	200
4/2/2019									
9/12/2019		22							
9/13/2019						200			

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-5 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWA-24 (bg)	SGWA-4 (bg)	SGWC-9	SGWC-12
9/16/2019	17		42	19	91		57	550	200
9/17/2019									
9/18/2019									
3/17/2020		30	98	52	100				
3/18/2020	25					110	140		
3/23/2020									
3/24/2020									
3/25/2020								540	
3/26/2020									200
3/27/2020									
9/14/2020	20	36	71	55	93	95	110	470	190
9/15/2020									
3/30/2021	32				110	110			
3/31/2021		35		57			120	430	
4/1/2021									
4/6/2021									
4/7/2021			95						210
8/17/2021	27		97		110		130		
8/18/2021		53		66		120			
8/19/2021								380	
8/20/2021									220
2/9/2022	45	60	93	54	100		110		
2/10/2022						130		410	210
2/11/2022									
2/14/2022									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
5/10/2016									
5/11/2016	330	80	222	68	104				
5/12/2016						260	309	261	288
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	423		275		112				
6/28/2016		134		41			333		
6/29/2016						311		323	272
6/30/2016									
8/16/2016									
8/17/2016	410	42	220	70	86				
8/18/2016							320	310	
8/19/2016									290
8/22/2016						390			
10/13/2016									
10/14/2016									
10/17/2016	370	24		6	60		320		
10/18/2016			210			300			270
10/19/2016								330 (D)	
12/5/2016									
12/6/2016	420	70	250	40	90				
12/7/2016						310	340	370	300
12/8/2016									
2/14/2017	370		210		54				
2/15/2017		34		18			340	350	260
2/16/2017						310			
4/10/2017									
4/11/2017									
4/12/2017	370	36	200	18	64		300		
4/13/2017						300		390	300
6/26/2017									
6/27/2017	380	8	180	50	40		320	350	
6/28/2017						290			250
10/10/2017									
10/11/2017		56	210		82		340		
10/12/2017	400			46		290		380	280
6/5/2018									
6/6/2018	410	40	210	38	100				
6/7/2018						260	340	360	220
6/8/2018									
10/16/2018		100							
10/18/2018									
12/13/2018									
12/14/2018	390		170		44		280	390	
12/17/2018				38		310			30
3/28/2019									
3/29/2019									
4/1/2019	370	33	200	82			330		
4/2/2019					91	300		400	250
9/12/2019									
9/13/2019									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-11	SGWC-7	SGWC-10	SGWC-6	SGWC-21	SGWC-14	SGWC-17	SGWC-23
9/16/2019		<10			76				
9/17/2019	380		140	17		290	310	380	
9/18/2019									490
3/17/2020									
3/18/2020									
3/23/2020						330			
3/24/2020								430	210
3/25/2020	360	38		59	94				
3/26/2020			180						
3/27/2020							330		
9/14/2020	360	39	200	45	99				
9/15/2020						390	360	440	210
3/30/2021						380			
3/31/2021				64					220
4/1/2021	360		200		83			410	
4/6/2021							320		
4/7/2021		40							
8/17/2021									
8/18/2021	410		210		140	380		450	210
8/19/2021		36		54			370		
8/20/2021									
2/9/2022			170		130				
2/10/2022	400	39							230
2/11/2022				44		350		440	
2/14/2022							360		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
5/10/2016							
5/11/2016							
5/12/2016	46	298	386	212	190		
5/13/2016						366	728
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	60	337			198		
6/29/2016			436	214		370	
6/30/2016							742
8/16/2016							
8/17/2016							
8/18/2016	48	310			180		
8/19/2016				230			
8/22/2016			290			350	670
10/13/2016							
10/14/2016							
10/17/2016					140		
10/18/2016	60	320	200	190		340	
10/19/2016							700
12/5/2016							
12/6/2016					110		
12/7/2016	64	270		230			720
12/8/2016			370			350	
2/14/2017							
2/15/2017		310			160		
2/16/2017	40		350	200		340	600
4/10/2017							
4/11/2017							
4/12/2017		280			140		
4/13/2017	76		380	220		350	640
6/26/2017							
6/27/2017	50	290			170		
6/28/2017			320	190		340	540
10/10/2017							
10/11/2017					170		
10/12/2017	68	330	350	230		370	640
6/5/2018							
6/6/2018							
6/7/2018	74	310	320	210	190		
6/8/2018						320	820
10/16/2018		350					
10/18/2018			370				1200
12/13/2018							
12/14/2018					140		
12/17/2018	42			260		250	
3/28/2019							
3/29/2019							
4/1/2019		330			190		
4/2/2019	73		370	240		420	1700
9/12/2019							
9/13/2019							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/28/2022 5:23 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-15	SGWC-20	SGWC-22	SGWC-13	SGWC-19	SGWC-18
9/16/2019							
9/17/2019	59	320	320		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	340	350	250		450	1500
3/30/2021			350			420	1500
3/31/2021		300		240			
4/1/2021	88						
4/6/2021							
4/7/2021					200		
8/17/2021							
8/18/2021				260			1400
8/19/2021	100	320	340		210	440	
8/20/2021							
2/9/2022							
2/10/2022	100			250			1400
2/11/2022		310	350		200	440	
2/14/2022							

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWC-11	0.05263	134	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-18	0.5485	112	68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-21	-0.06213	-81	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-23	-0.035	-79	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-8	0.01258	84	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-2 (bg)	0.3668	85	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-24 (bg)	0.5317	91	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-4 (bg)	0.547	73	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-17	4.187	129	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-19	2.186	105	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-21	1.673	70	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-22	1.42	101	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-23	-1.518	-84	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-3 (bg)	-0.1998	-79	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-12	0.1738	71	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-13	1.083	114	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-16	0.2122	70	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-18	2.047	112	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-21	0.9202	111	68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-7	-0.5302	-85	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-9	1.5	118	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-12	5.695	104	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-16	5.768	147	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-17	13.99	125	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-19	10.52	83	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-21	10.07	103	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-22	5.481	105	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-23	-11.23	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-7	-1.534	-73	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-8	2.384	81	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-17	23.69	121	68	Yes	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-22	8.753	76	68	Yes	18	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	SGWA-1 (bg)	0	-5	-68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-2 (bg)	0	-5	-68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-24 (bg)	0	-13	-68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-25 (bg)	0	15	68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-3 (bg)	0	9	68	No	18	88.89	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-4 (bg)	0	15	68	No	18	94.44	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWA-5 (bg)	0	0	68	No	18	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-11**	**0.05263**	**134**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-13	-0.005543	-34	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-14	0.03152	54	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-15	-0.0288	-39	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-16	0.008138	46	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-17	0.0108	12	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-18**	**0.5485**	**112**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-19	0	11	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	SGWC-20	-0.07721	-51	-68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-21**	**-0.06213**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-22	0.02031	60	68	No	18	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	**SGWC-23**	**-0.035**	**-79**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	**SGWC-8**	**0.01258**	**84**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	SGWC-9	-0.00758	-27	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-1 (bg)	-0.11	-61	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-2 (bg)**	**0.3668**	**85**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWA-24 (bg)**	**0.5317**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-25 (bg)	-0.2813	-57	-68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWA-3 (bg)	0.1008	23	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWA-4 (bg)**	**0.547**	**73**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWA-5 (bg)	0.04632	52	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-12	0	29	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-14	0.6759	59	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-17**	**4.187**	**129**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-18	3.935	31	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	**SGWC-19**	**2.186**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-21**	**1.673**	**70**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-22**	**1.42**	**101**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	**SGWC-23**	**-1.518**	**-84**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium, total (mg/L)	SGWC-8	0.8013	61	68	No	18	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	SGWC-9	-1.56	-44	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-1 (bg)	-0.02063	-18	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-2 (bg)	0	-11	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-24 (bg)	0.06289	29	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-25 (bg)	0	3	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWA-3 (bg)**	**-0.1998**	**-79**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWA-4 (bg)	0	2	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWA-5 (bg)	0	0	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-10	0.05069	15	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-11	0.1046	24	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-12**	**0.1738**	**71**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	**SGWC-13**	**1.083**	**114**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-14	0	8	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-15	0.1744	60	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-16**	**0.2122**	**70**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-17	0	2	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-18**	**2.047**	**112**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-19	0.02868	14	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-20	0	-19	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-21**	**0.9202**	**111**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-22	0	34	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	SGWC-23	0.2425	61	68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-7**	**-0.5302**	**-85**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride, Total (mg/L)	SGWC-8	0	-26	-68	No	18	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	**SGWC-9**	**1.5**	**118**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

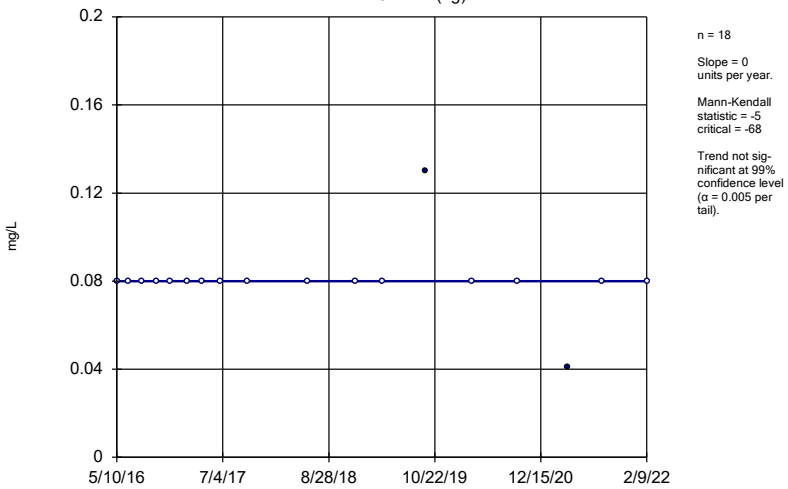
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 5:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	SGWA-1 (bg)	0	-41	-92	No	22	90.91	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-2 (bg)	-0.002664	-60	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-24 (bg)	-0.007058	-72	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-25 (bg)	-0.002139	-58	-92	No	22	45.45	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-3 (bg)	0	-5	-92	No	22	68.18	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-4 (bg)	-0.003862	-90	-92	No	22	40.91	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWA-5 (bg)	0	-26	-92	No	22	81.82	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-6	0	-7	-92	No	22	13.64	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-7	-0.002759	-22	-92	No	22	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	SGWC-8	-0.01342	-57	-92	No	22	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-1 (bg)	-0.0364	-72	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-2 (bg)	0.007248	22	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-24 (bg)	0.01136	53	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-25 (bg)	-0.01657	-62	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-3 (bg)	0.02593	69	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-4 (bg)	-0.01681	-61	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWA-5 (bg)	0	0	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-15	-0.01445	-35	-81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-18	0.02671	79	81	No	20	0	n/a	n/a	0.01	NP
pH (S.U.)	SGWC-20	-0.005116	-19	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-1 (bg)	0	10	68	No	18	27.78	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-2 (bg)	0	33	68	No	18	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-24 (bg)	0	7	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-25 (bg)	0	21	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-3 (bg)	-0.1358	-60	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-4 (bg)	-0.1276	-62	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWA-5 (bg)	0	24	68	No	18	83.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-12**	**5.695**	**104**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-13	2.056	51	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-14	0	-8	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	SGWC-15	0	22	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-16**	**5.768**	**147**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-17**	**13.99**	**125**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-18	88.24	54	68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-19**	**10.52**	**83**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-20	-6.6	-63	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	**SGWC-21**	**10.07**	**103**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-22**	**5.481**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-23**	**-11.23**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-7**	**-1.534**	**-73**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	**SGWC-8**	**2.384**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate, total (mg/L)	SGWC-9	-11.09	-37	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-1 (bg)	-3.242	-29	-68	No	18	5.556	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-2 (bg)	0	12	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-24 (bg)	0	12	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-25 (bg)	-2.837	-38	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-3 (bg)	2.31	18	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-4 (bg)	6.598	63	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWA-5 (bg)	-3.919	-41	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-12	2.004	37	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-14	5.017	41	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-15	3.122	27	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-17**	**23.69**	**121**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-18	159.6	57	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-19	16.24	58	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-20	-2.219	-17	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-21	8.746	33	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**SGWC-22**	**8.753**	**76**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	SGWC-23	-13.95	-65	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-8	-2.243	-19	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	SGWC-9	-15.04	-40	-68	No	18	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -68

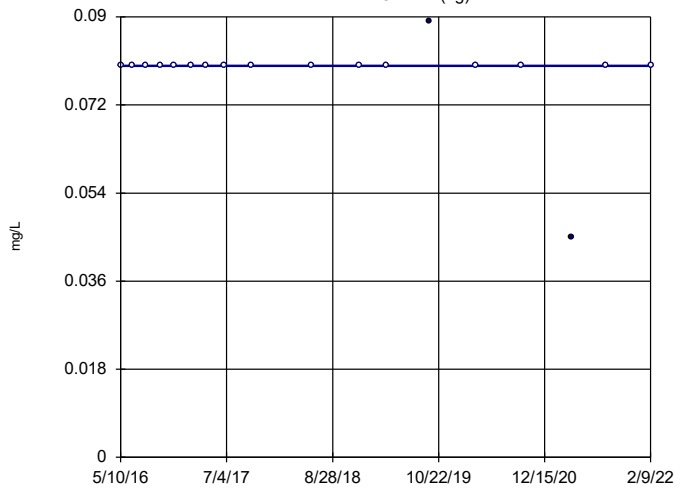
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -68

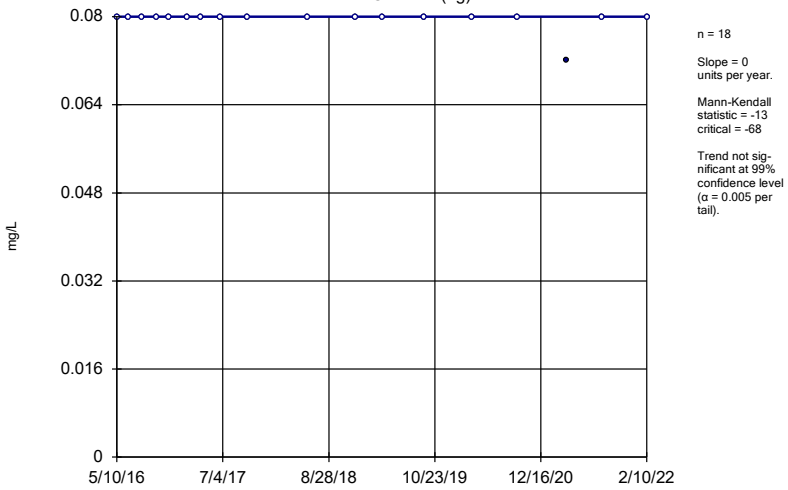
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -68

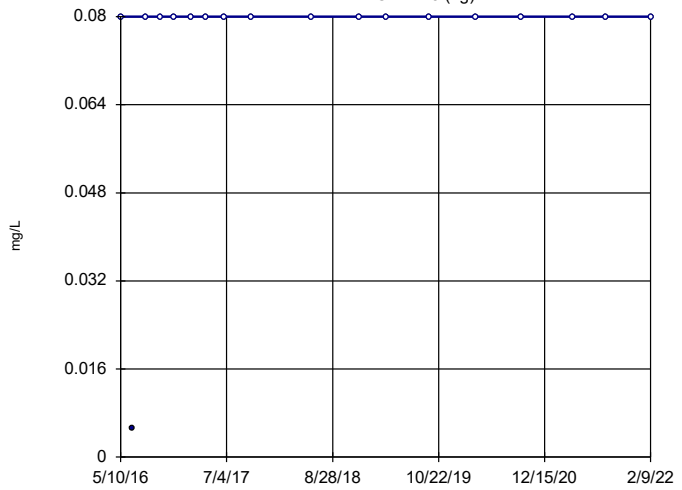
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 68

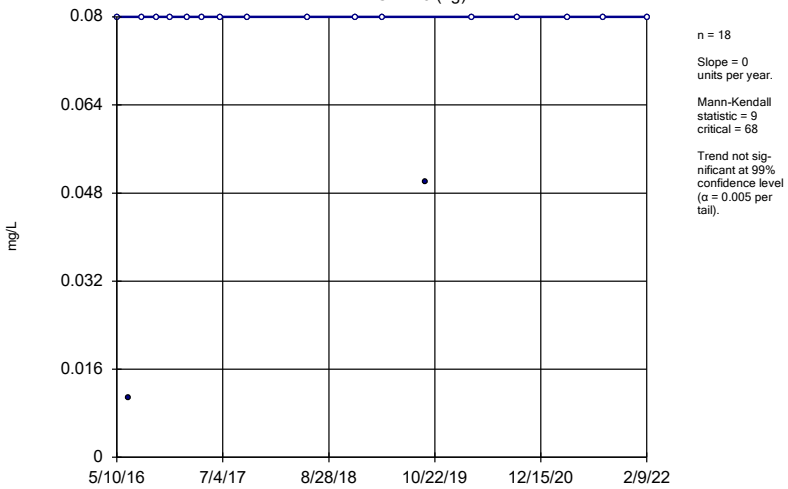
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 9 critical = 68

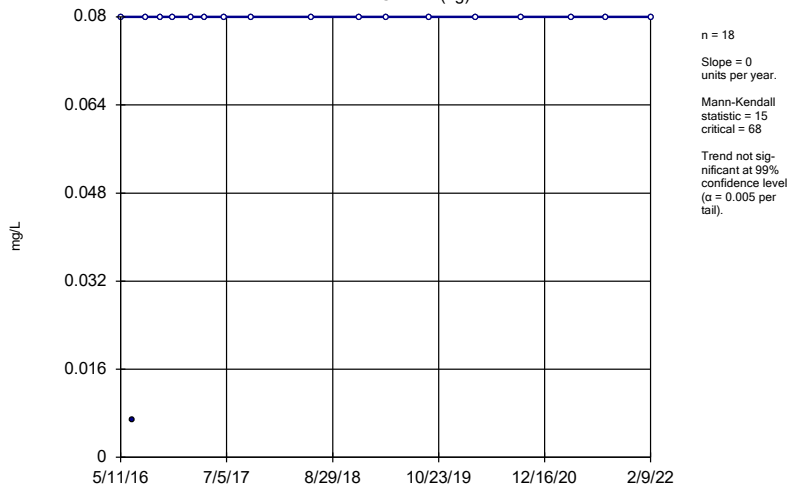
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 15 critical = 68

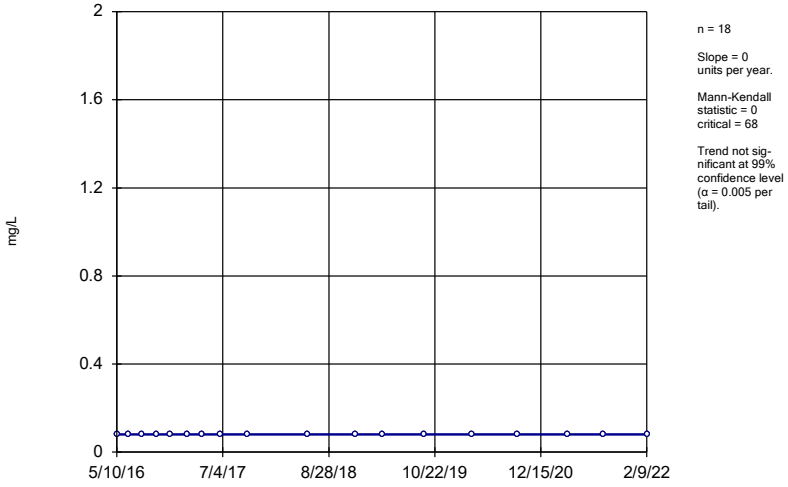
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 68

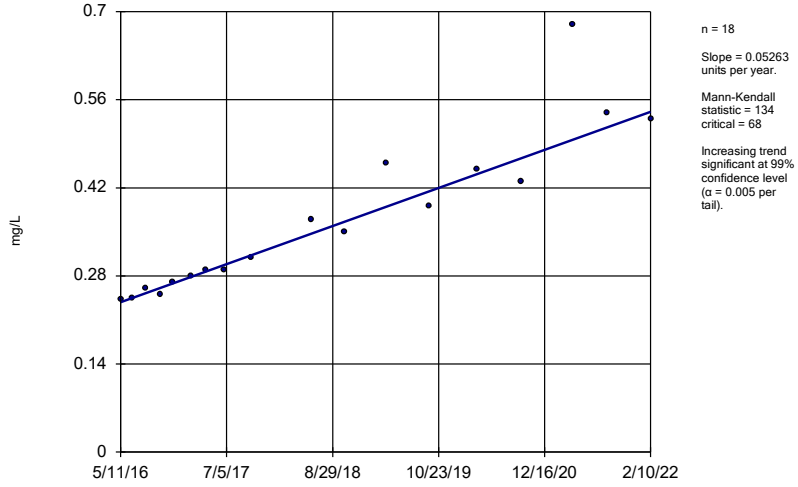
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-11



n = 18

Slope = 0.05263 units per year.

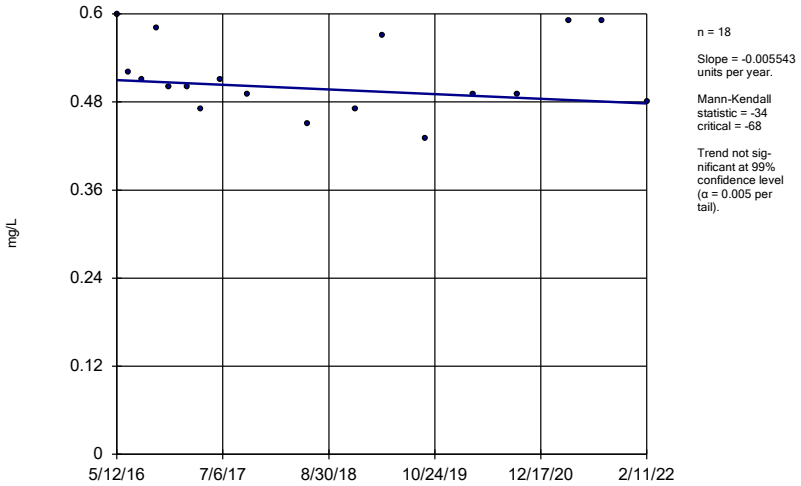
Mann-Kendall statistic = 134 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-13



n = 18

Slope = -0.005543 units per year.

Mann-Kendall statistic = -34 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

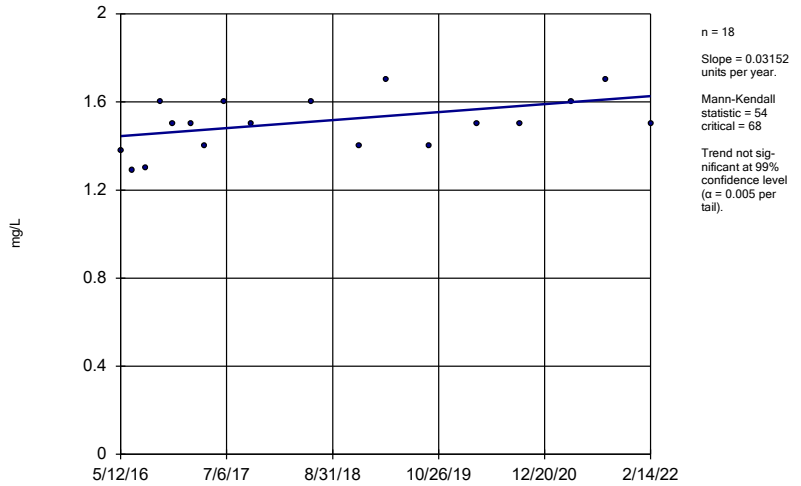
Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 18

Slope = 0.03152 units per year.

Mann-Kendall statistic = 54 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

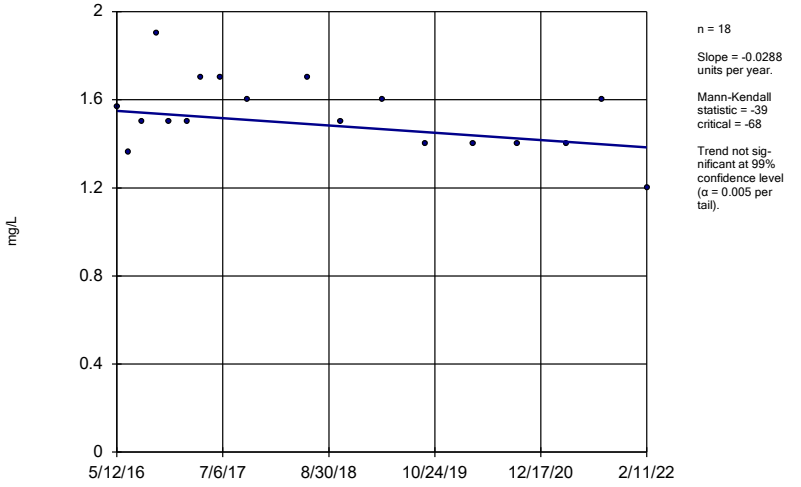
Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 18

Slope = -0.0288 units per year.

Mann-Kendall statistic = -39 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

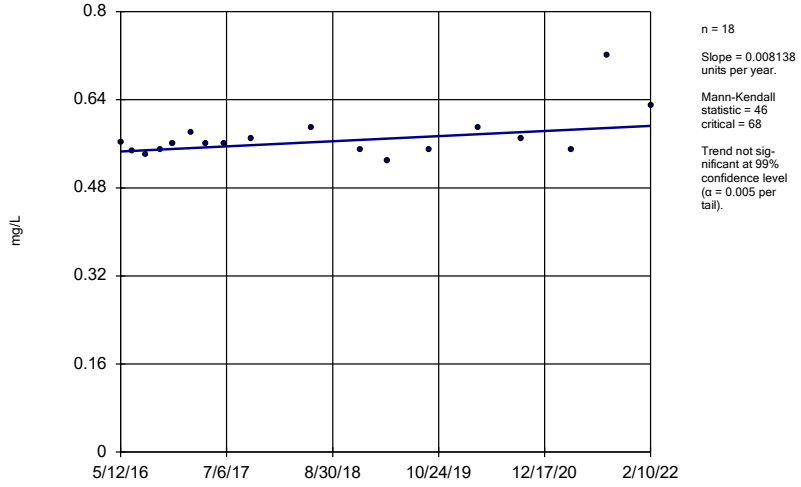
Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 18

Slope = 0.008138 units per year.

Mann-Kendall statistic = 46 critical = 68

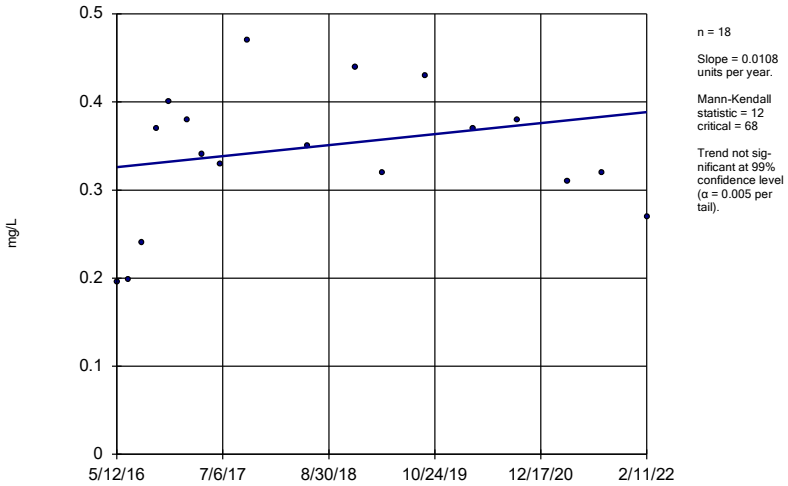
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-17



n = 18

Slope = 0.0108 units per year.

Mann-Kendall statistic = 12
critical = 68

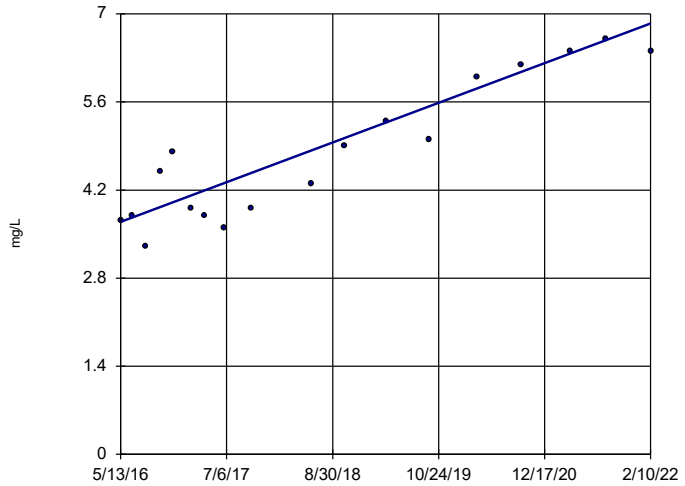
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:24 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 18

Slope = 0.5485 units per year.

Mann-Kendall statistic = 112
critical = 68

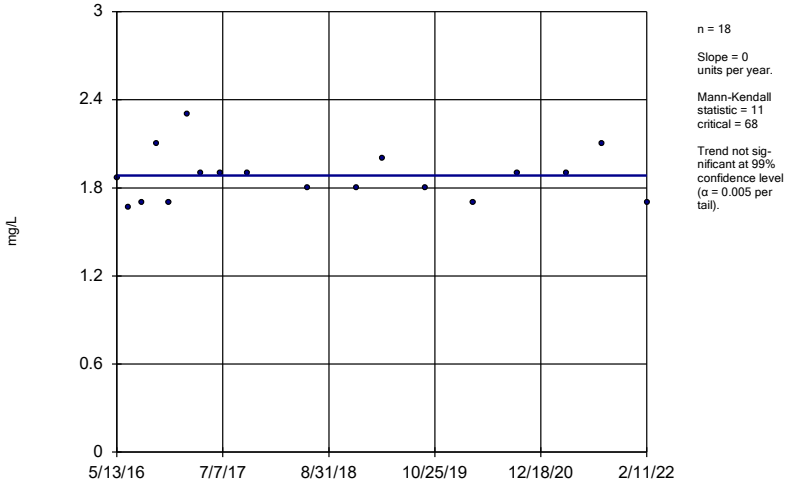
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 11
critical = 68

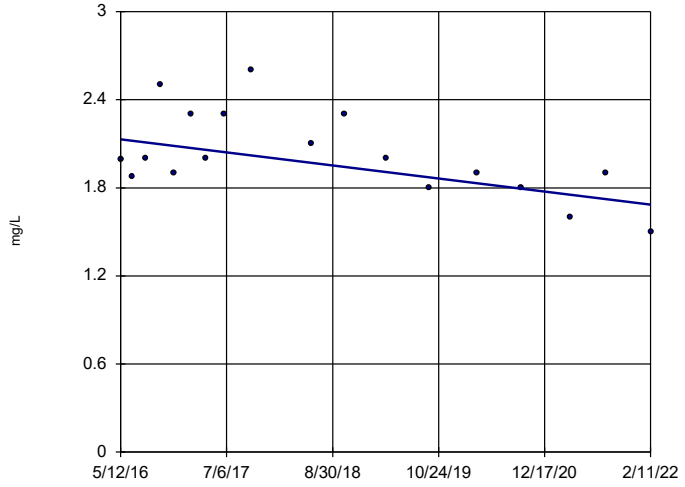
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 18

Slope = -0.07721 units per year.

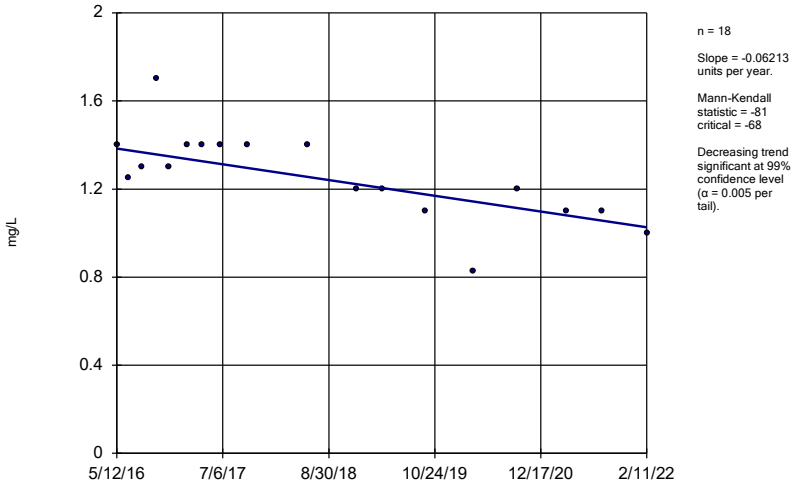
Mann-Kendall statistic = -51
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-21



n = 18

Slope = -0.06213 units per year.

Mann-Kendall statistic = -81
critical = -68

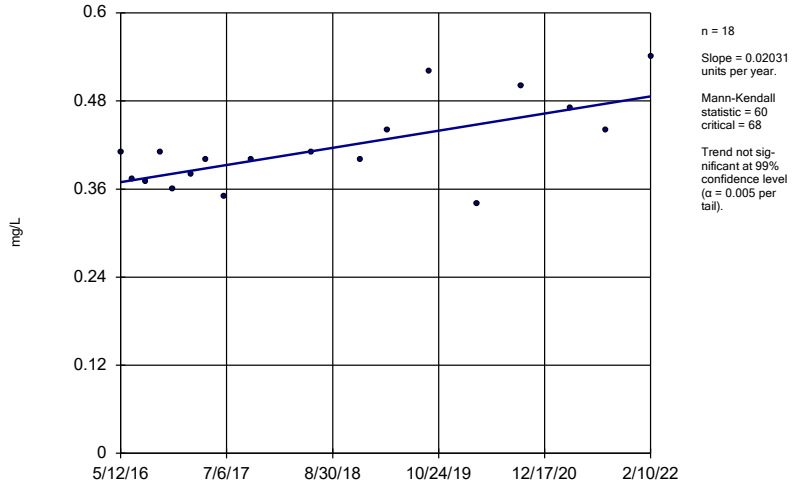
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 18

Slope = 0.02031 units per year.

Mann-Kendall statistic = 60
critical = 68

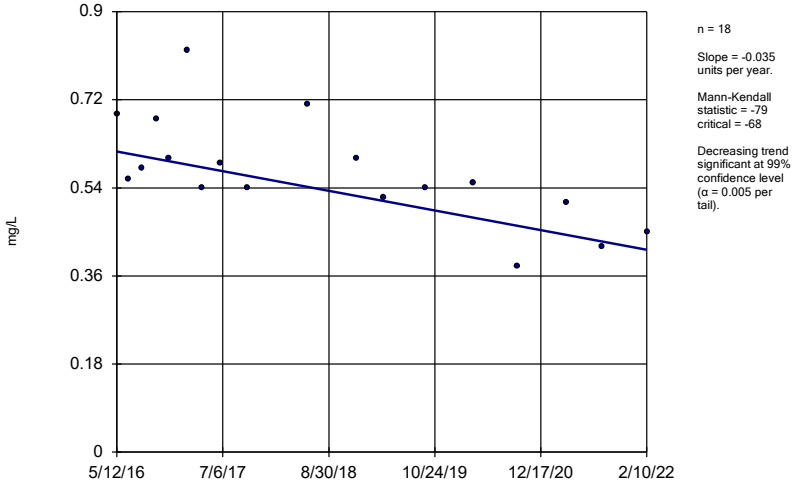
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 18

Slope = -0.035 units per year.

Mann-Kendall statistic = -79
critical = -68

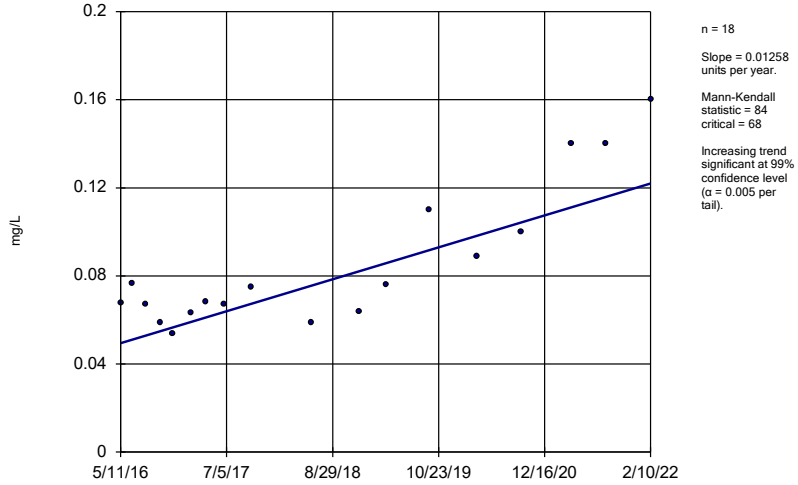
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 18

Slope = 0.01258 units per year.

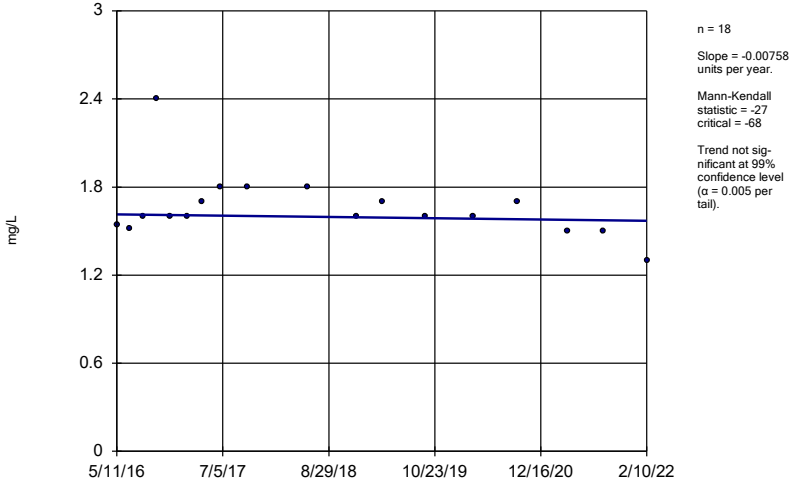
Mann-Kendall statistic = 84
critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-9



n = 18

Slope = -0.00758 units per year.

Mann-Kendall statistic = -27
critical = -68

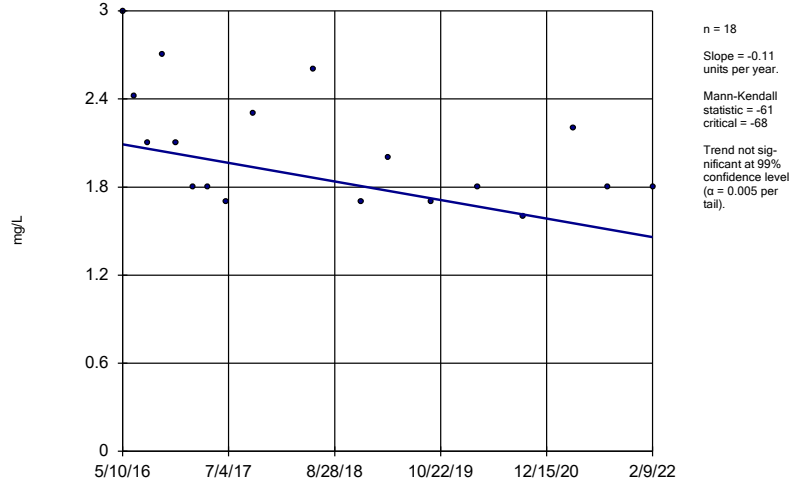
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-1 (bg)



n = 18

Slope = -0.11 units per year.

Mann-Kendall statistic = -61
critical = -68

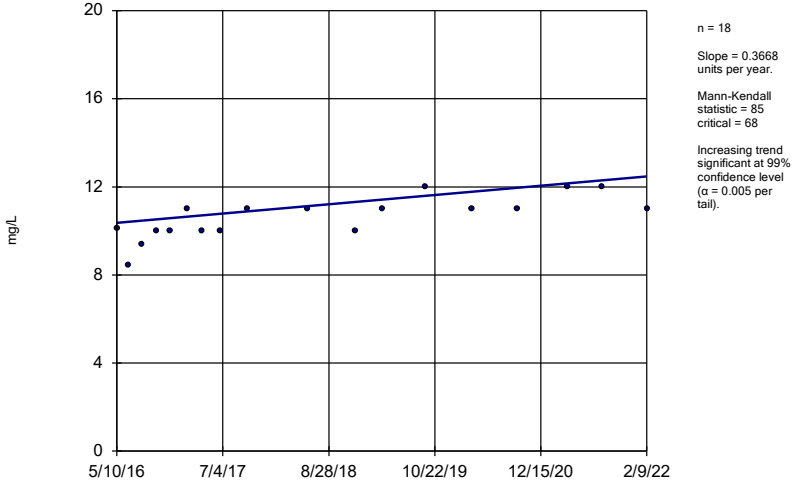
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 18

Slope = 0.3668 units per year.

Mann-Kendall statistic = 85
critical = 68

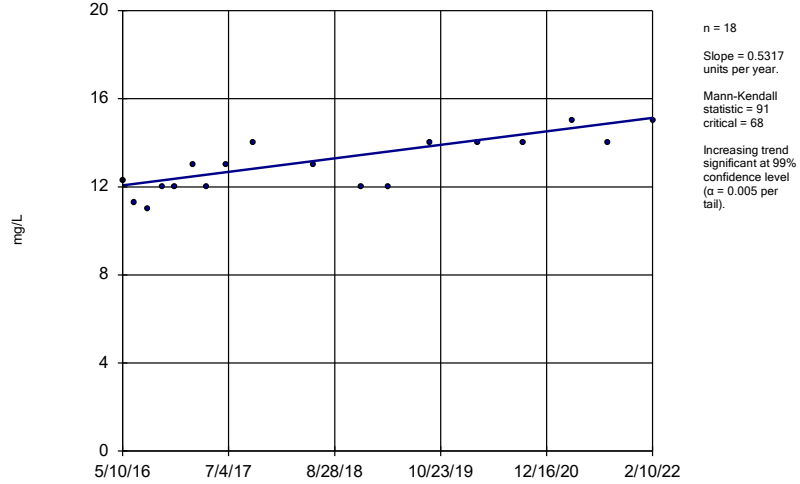
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 18

Slope = 0.5317 units per year.

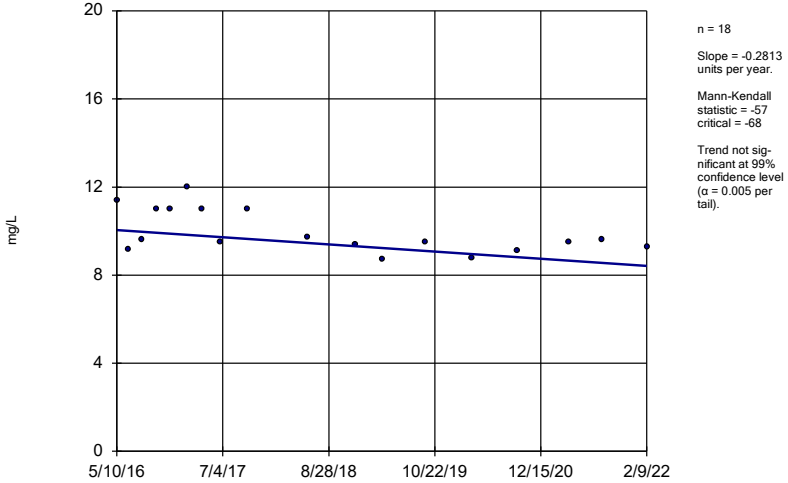
Mann-Kendall statistic = 91
critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-25 (bg)



n = 18

Slope = -0.2813 units per year.

Mann-Kendall statistic = -57 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

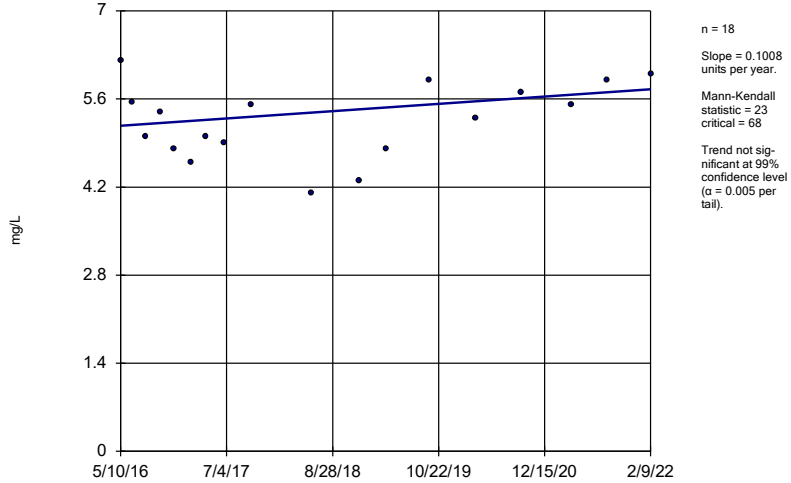
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 18

Slope = 0.1008 units per year.

Mann-Kendall statistic = 23 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

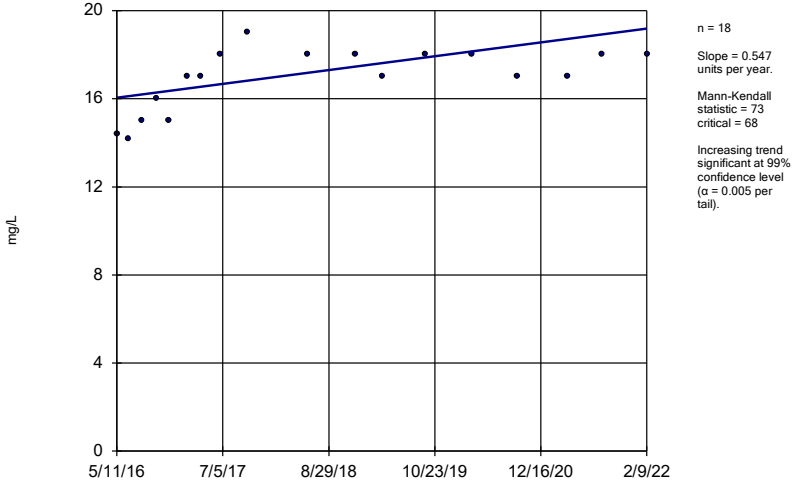
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 18

Slope = 0.547 units per year.

Mann-Kendall statistic = 73 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

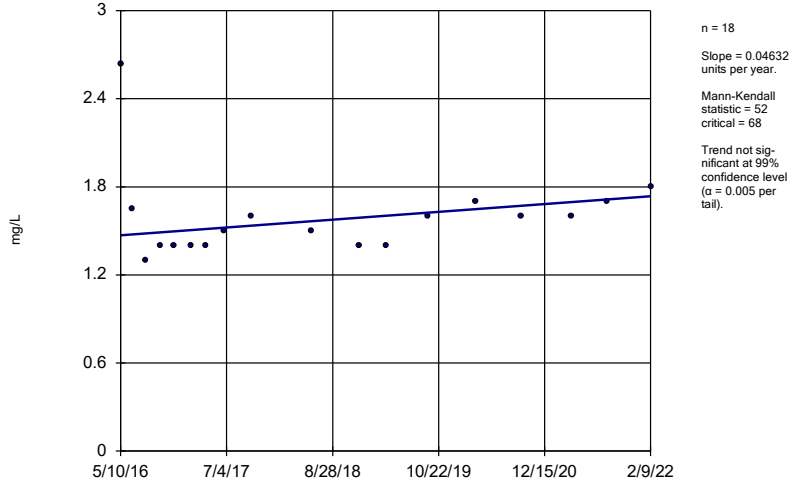
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 18

Slope = 0.04632 units per year.

Mann-Kendall statistic = 52 critical = 68

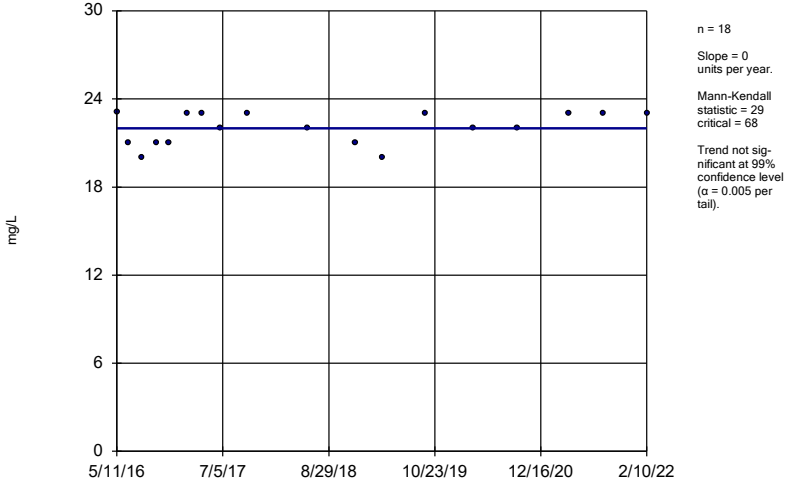
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-12



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 29 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

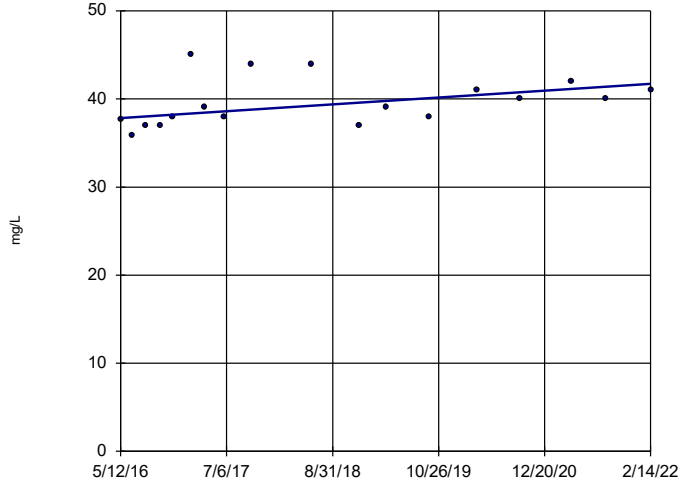
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 18

Slope = 0.6759 units per year.

Mann-Kendall statistic = 59 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

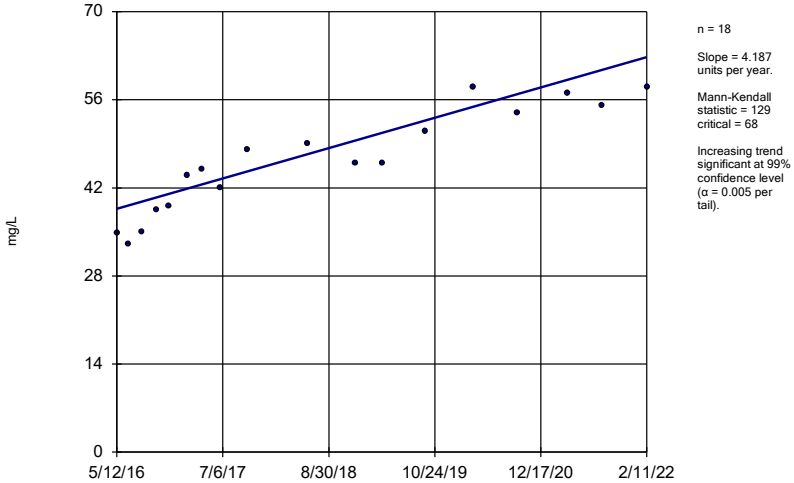
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 18

Slope = 4.187 units per year.

Mann-Kendall statistic = 129 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

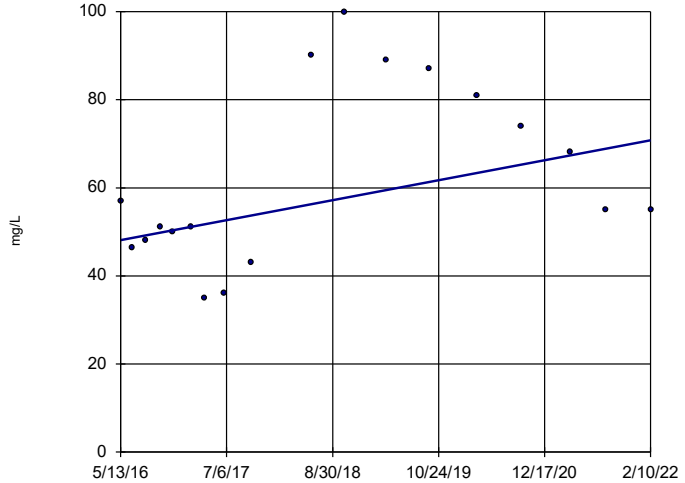
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 18

Slope = 3.935 units per year.

Mann-Kendall statistic = 31 critical = 68

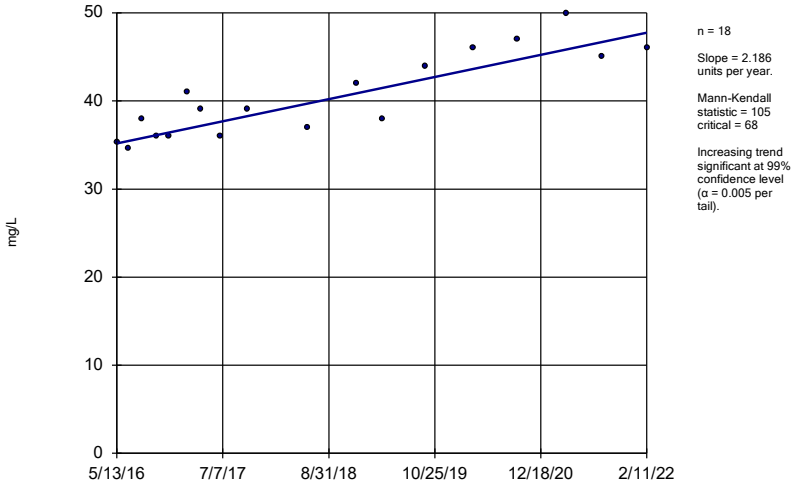
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-19



n = 18

Slope = 2.186 units per year.

Mann-Kendall statistic = 105
critical = 68

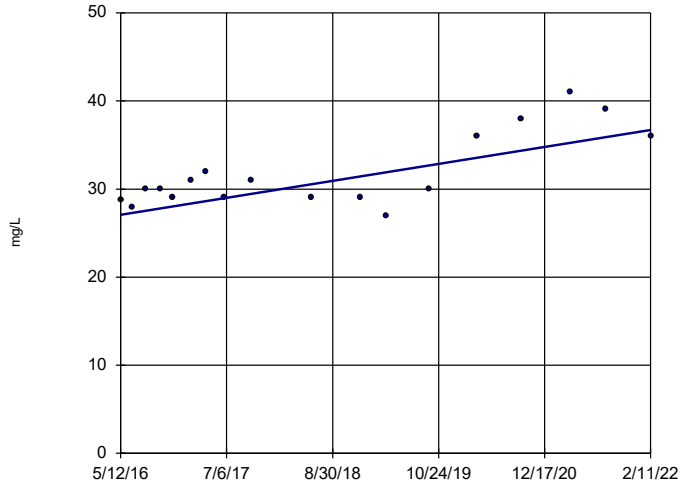
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 18

Slope = 1.673 units per year.

Mann-Kendall statistic = 70
critical = 68

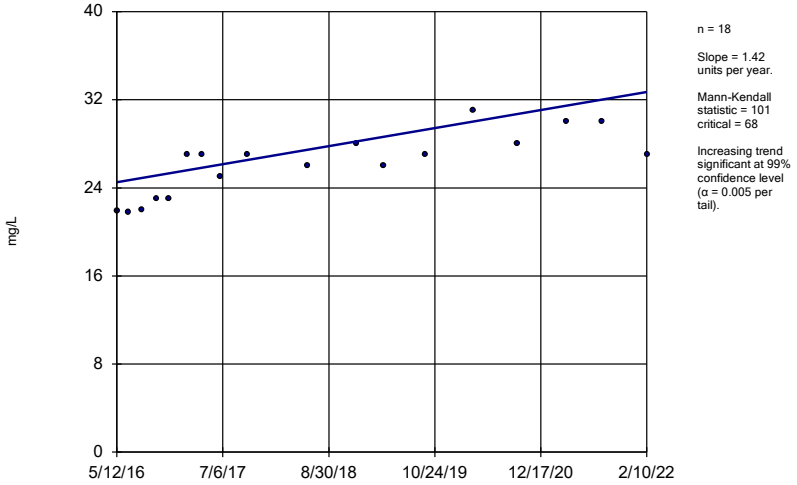
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 18

Slope = 1.42 units per year.

Mann-Kendall statistic = 101
critical = 68

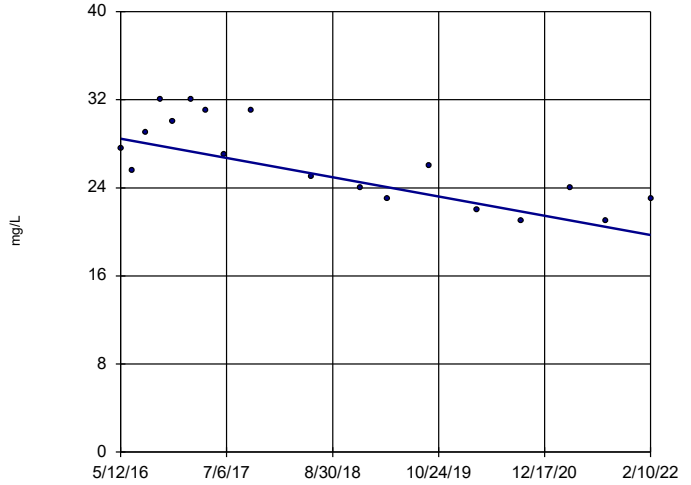
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 18

Slope = -1.518 units per year.

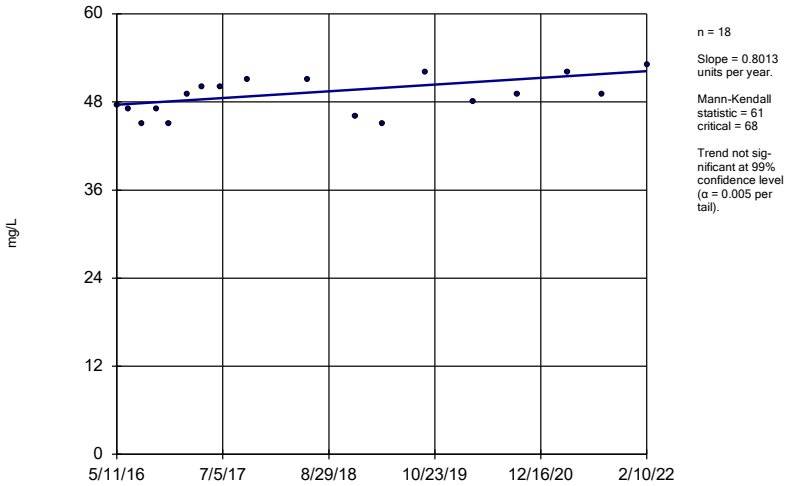
Mann-Kendall statistic = -84
critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-8



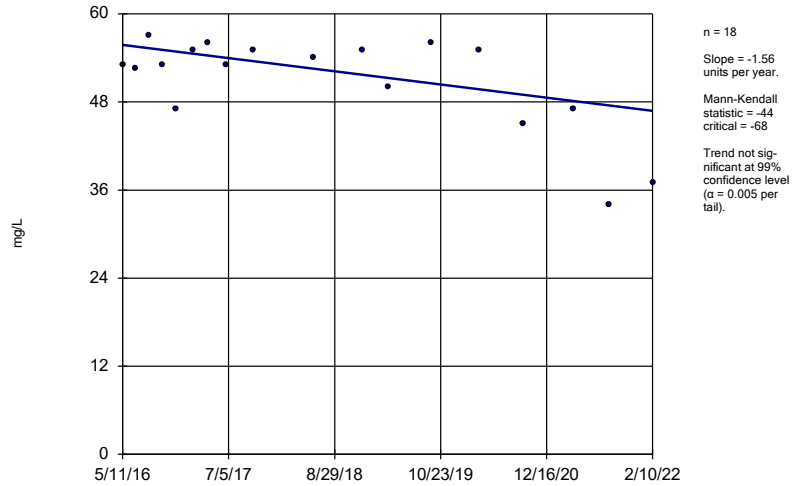
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



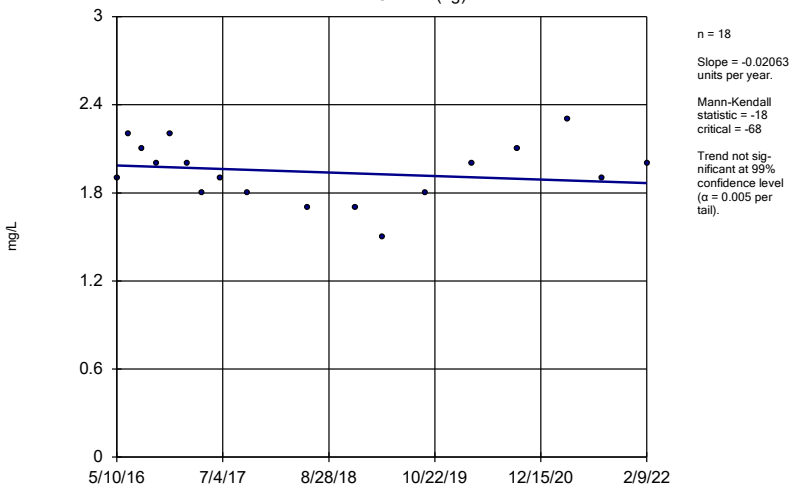
Constituent: Calcium, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-1 (bg)



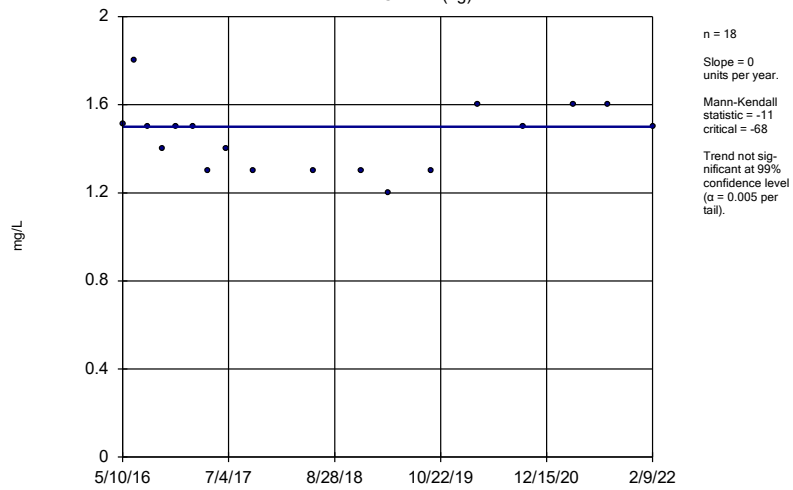
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)

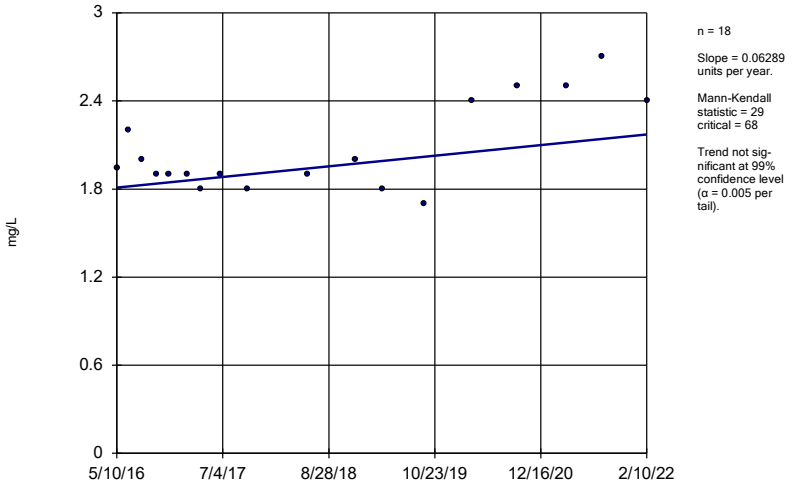


Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-24 (bg)



n = 18

Slope = 0.06289 units per year.

Mann-Kendall statistic = 29 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

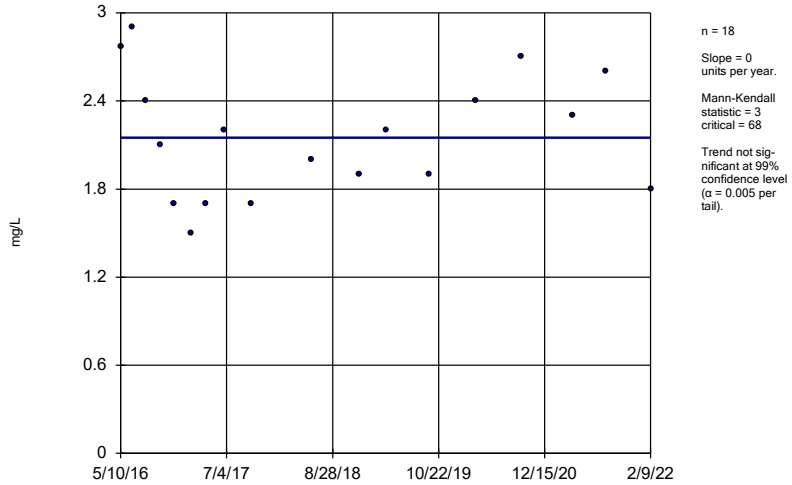
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

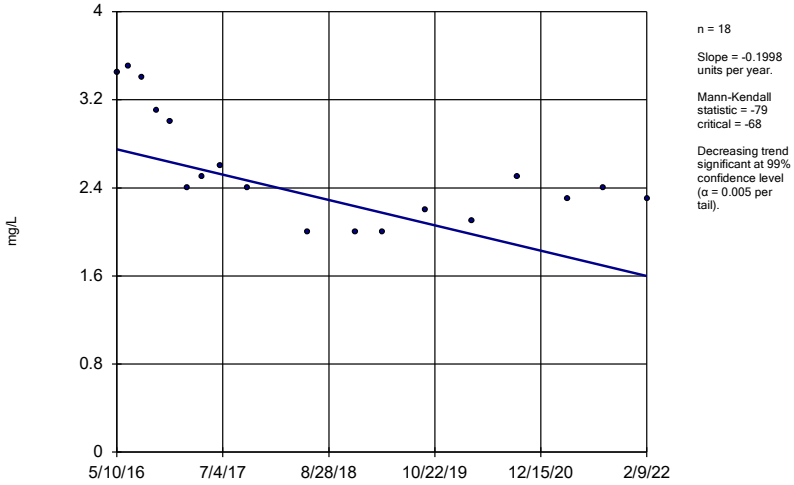
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 18

Slope = -0.1998 units per year.

Mann-Kendall statistic = -79 critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

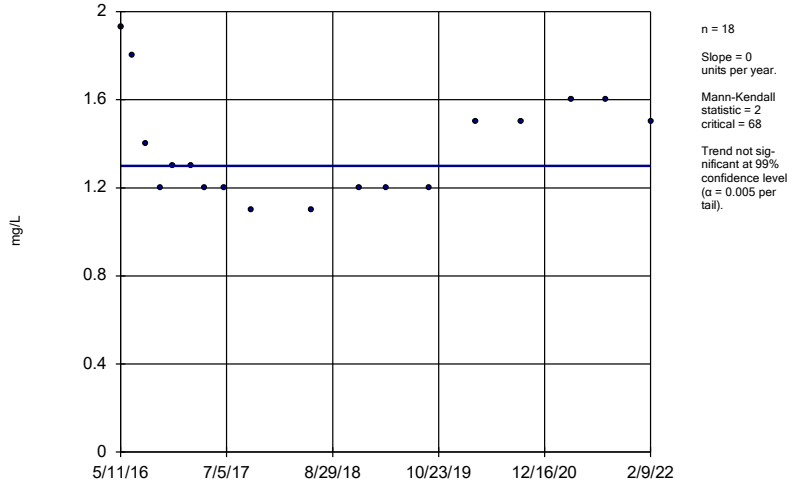
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 68

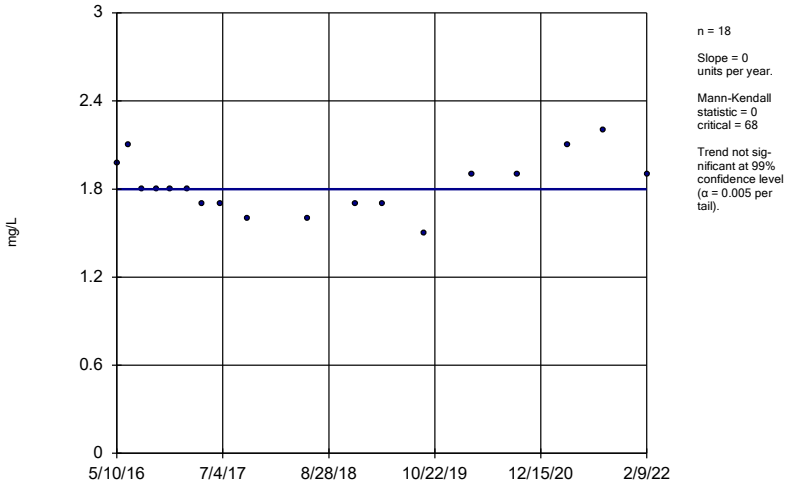
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-5 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

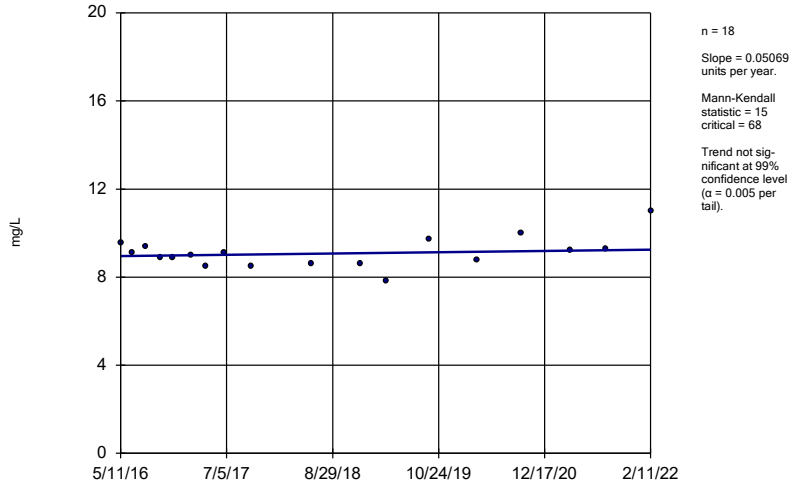
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-10



n = 18

Slope = 0.05069 units per year.

Mann-Kendall statistic = 15 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

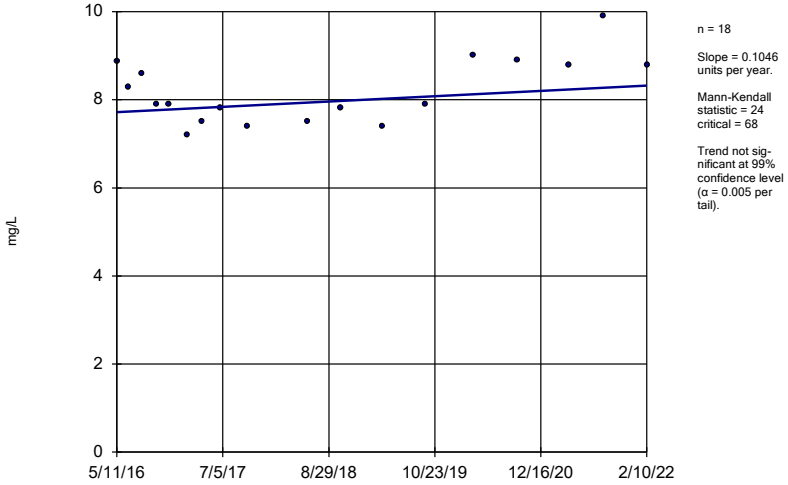
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-11



n = 18

Slope = 0.1046 units per year.

Mann-Kendall statistic = 24 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

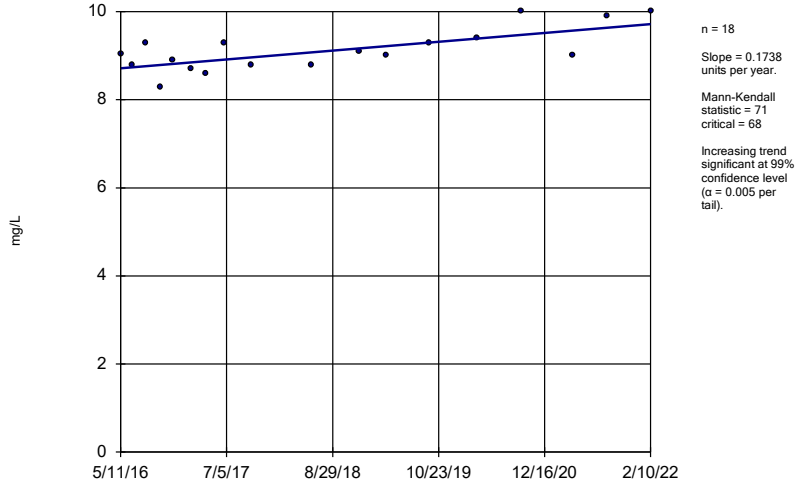
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 18

Slope = 0.1738 units per year.

Mann-Kendall statistic = 71 critical = 68

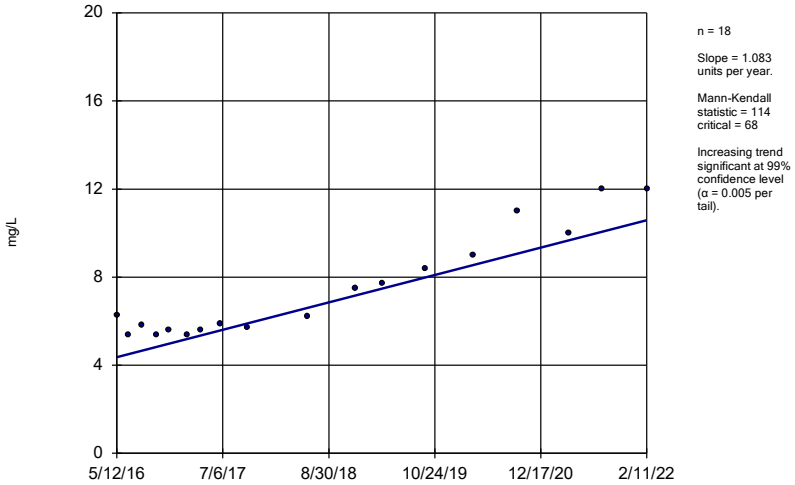
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-13



n = 18

Slope = 1.083 units per year.

Mann-Kendall statistic = 114 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

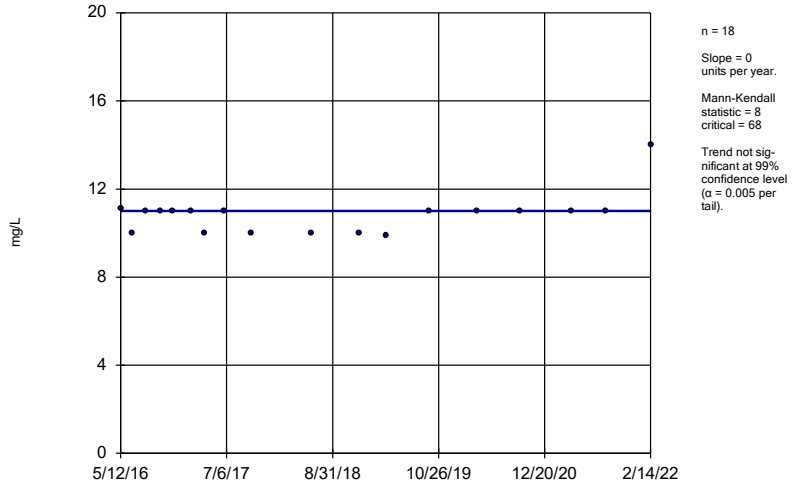
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

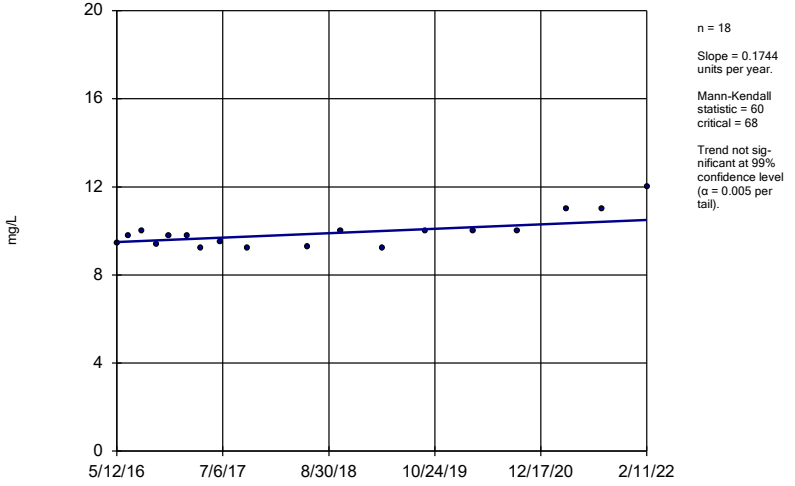
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 18

Slope = 0.1744 units per year.

Mann-Kendall statistic = 60 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

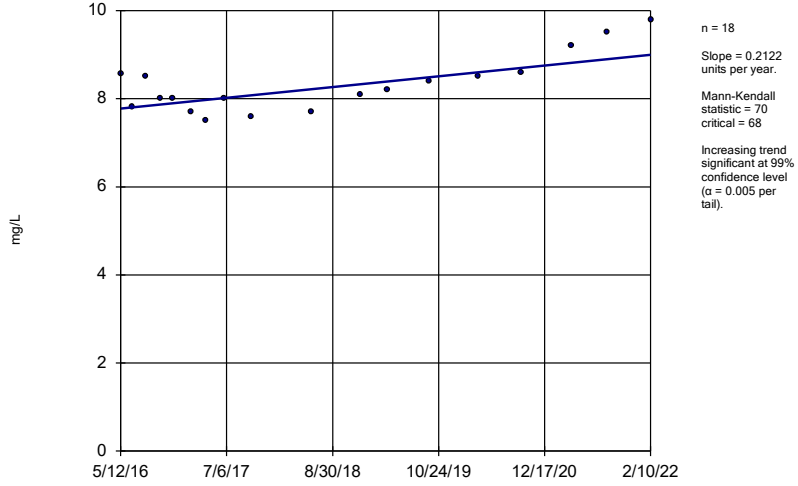
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 18

Slope = 0.2122 units per year.

Mann-Kendall statistic = 70 critical = 68

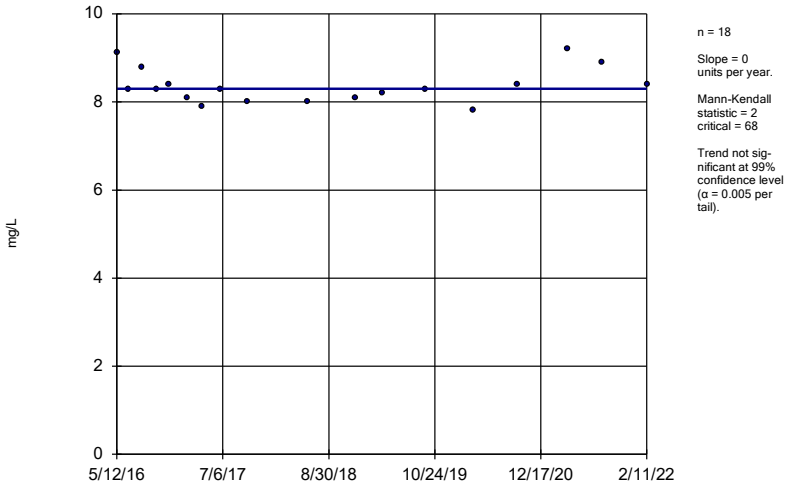
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-17



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

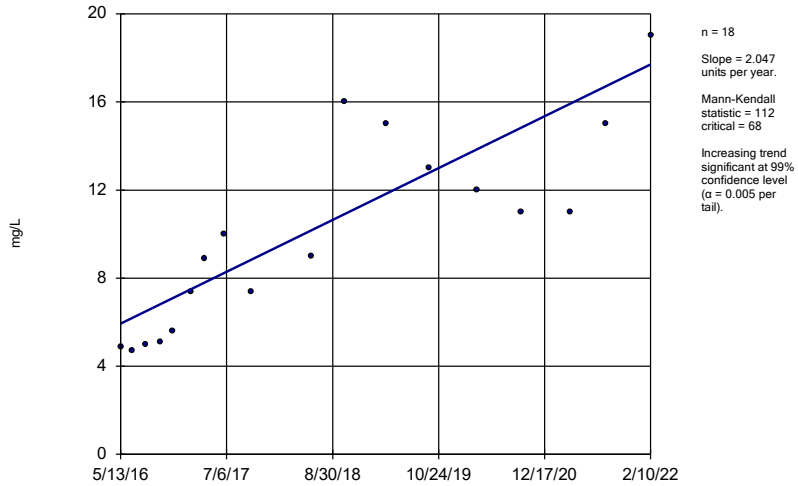
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 18

Slope = 2.047 units per year.

Mann-Kendall statistic = 112 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

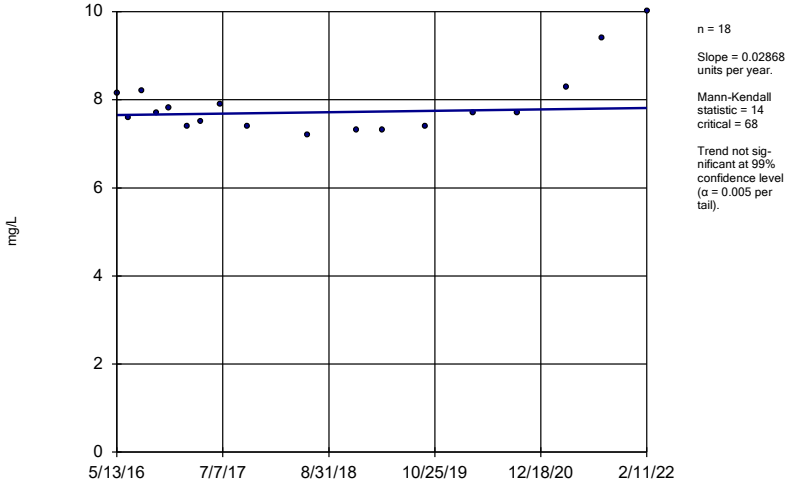
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-19



n = 18

Slope = 0.02868 units per year.

Mann-Kendall statistic = 14 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

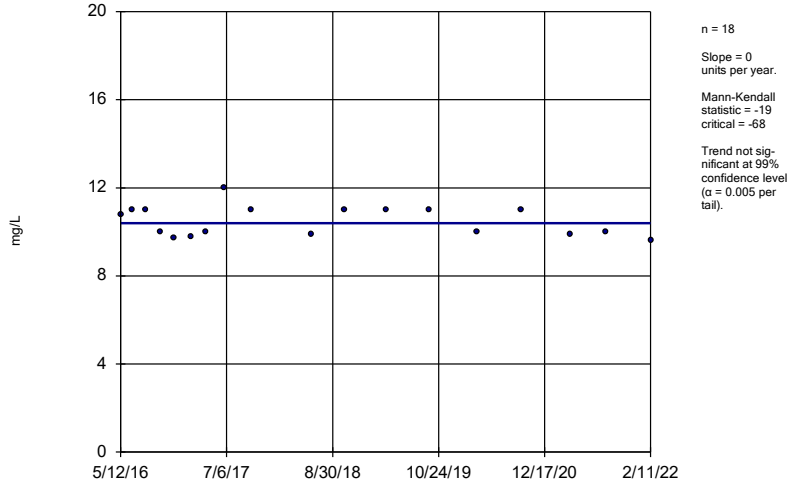
Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -19 critical = -68

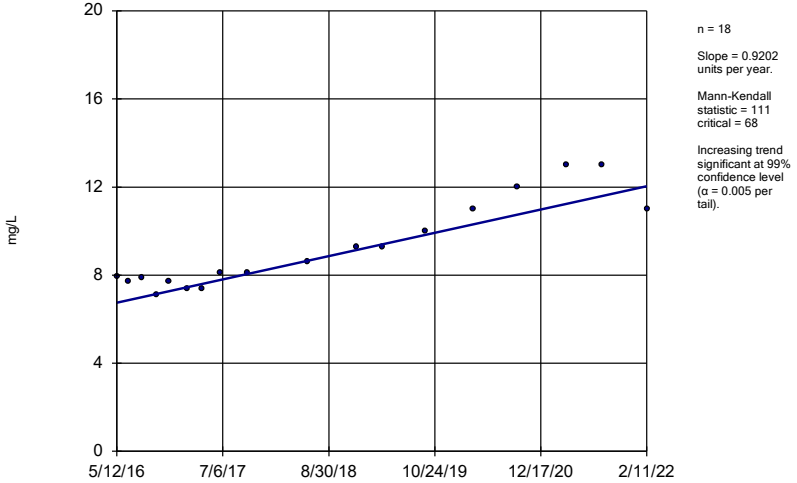
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-21



n = 18

Slope = 0.9202 units per year.

Mann-Kendall statistic = 111
critical = 68

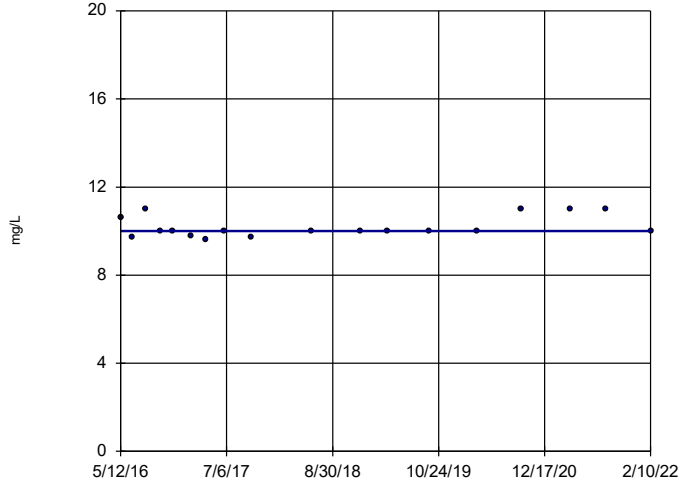
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 34
critical = 68

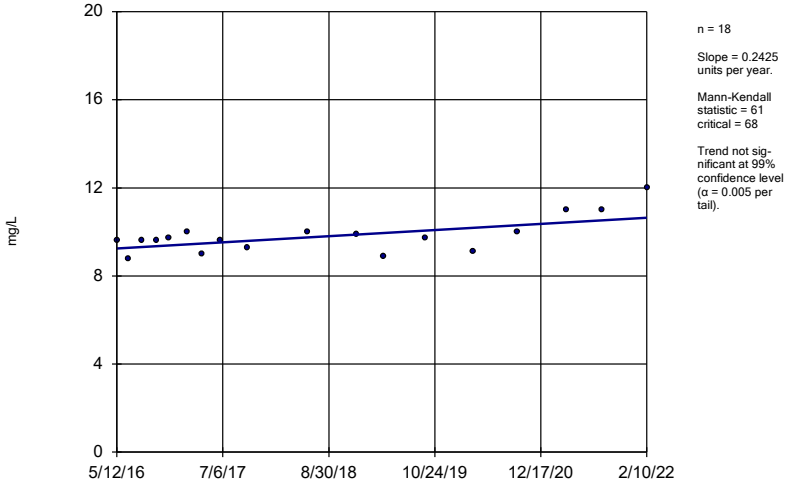
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-23



n = 18

Slope = 0.2425 units per year.

Mann-Kendall statistic = 61
critical = 68

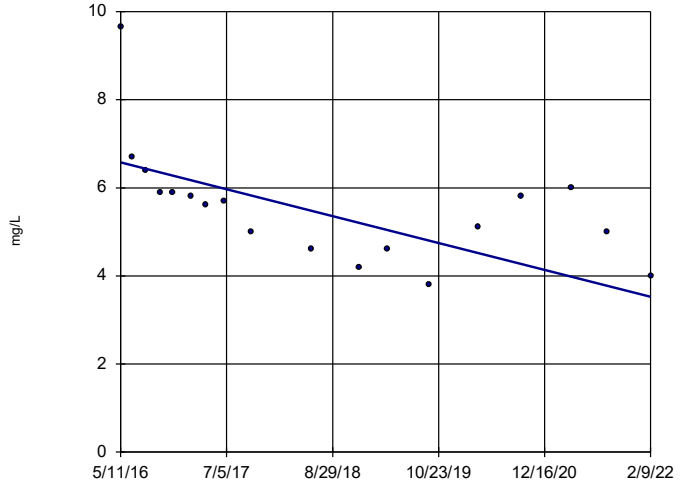
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 18

Slope = -0.5302 units per year.

Mann-Kendall statistic = -85
critical = -68

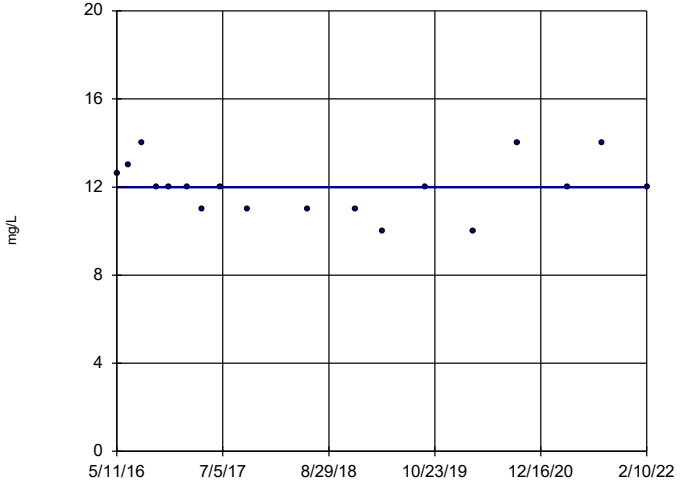
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -26
critical = -68

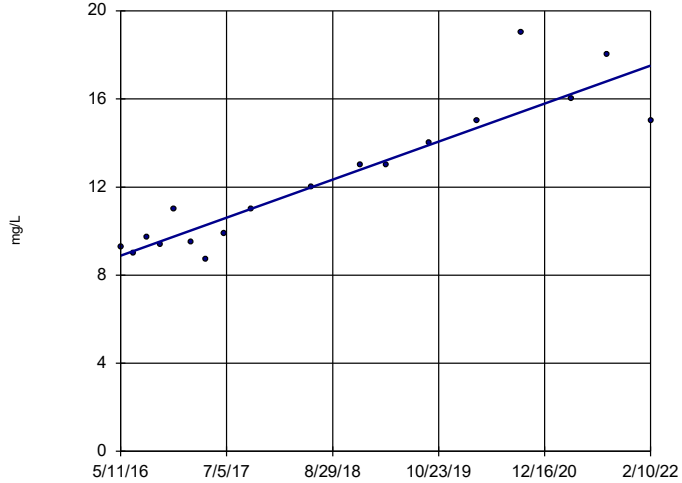
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 18

Slope = 1.5 units per year.

Mann-Kendall statistic = 118
critical = 68

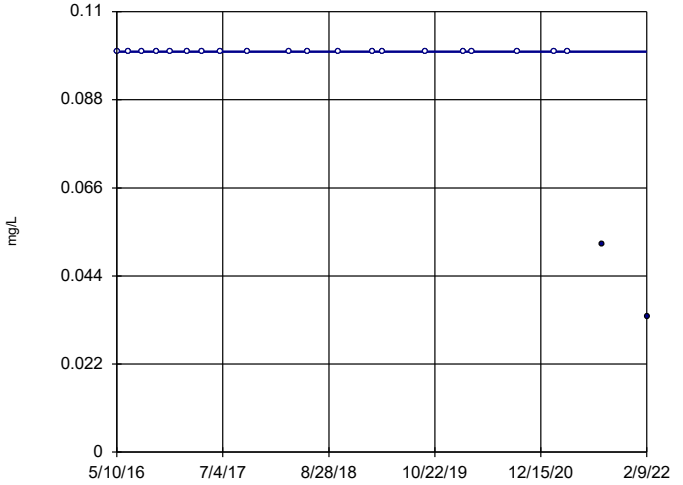
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -41
critical = -92

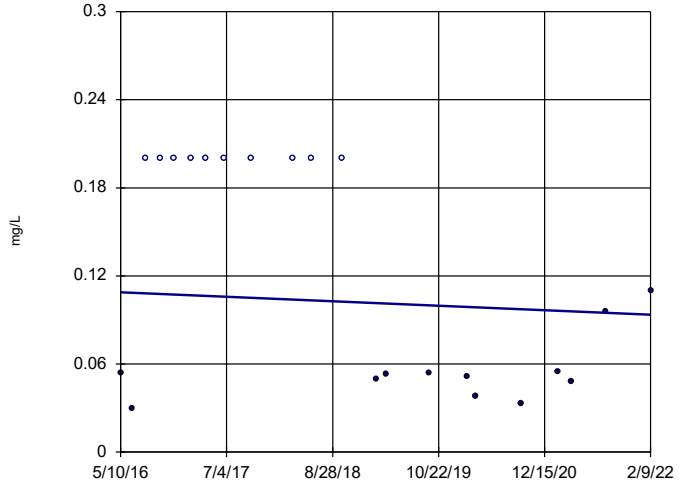
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 22

Slope = -0.002664 units per year.

Mann-Kendall statistic = -60
critical = -92

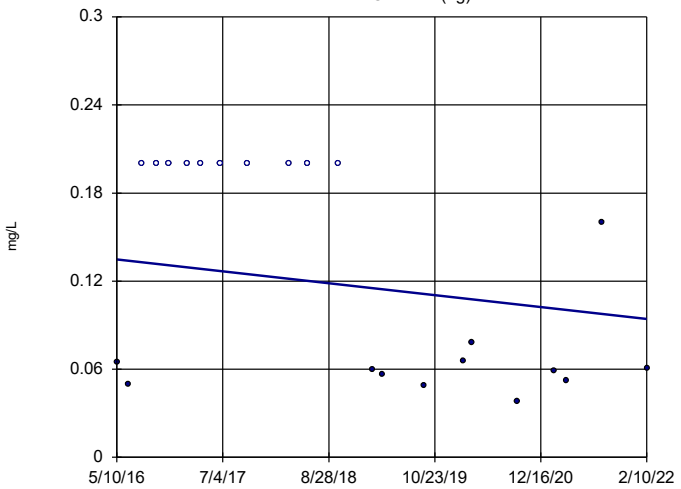
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 22

Slope = -0.007058 units per year.

Mann-Kendall statistic = -72
critical = -92

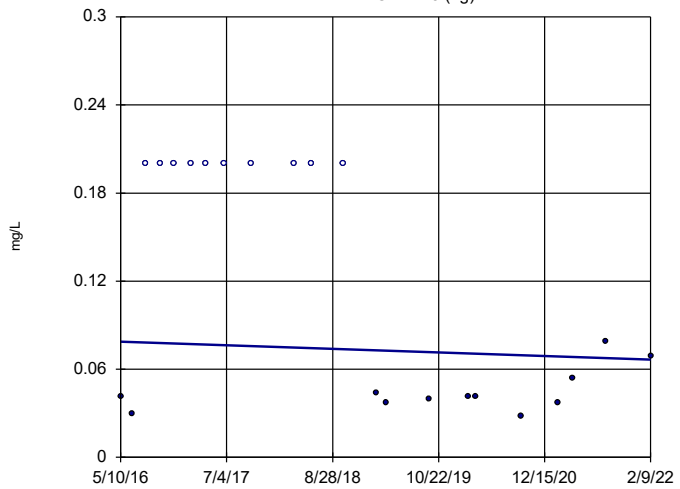
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 22

Slope = -0.002139 units per year.

Mann-Kendall statistic = -58
critical = -92

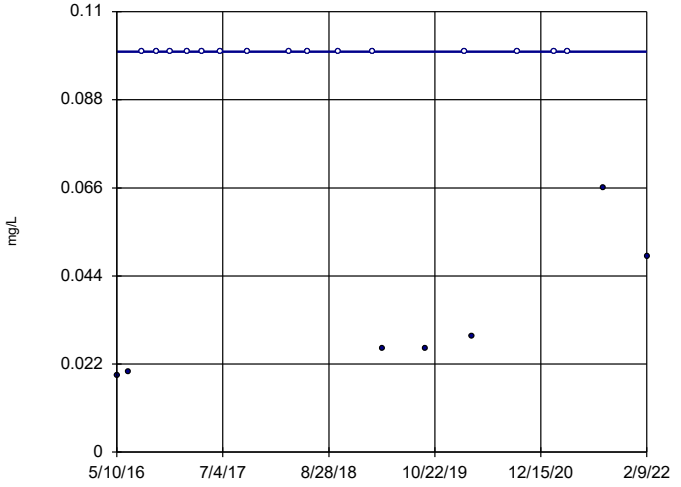
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -92

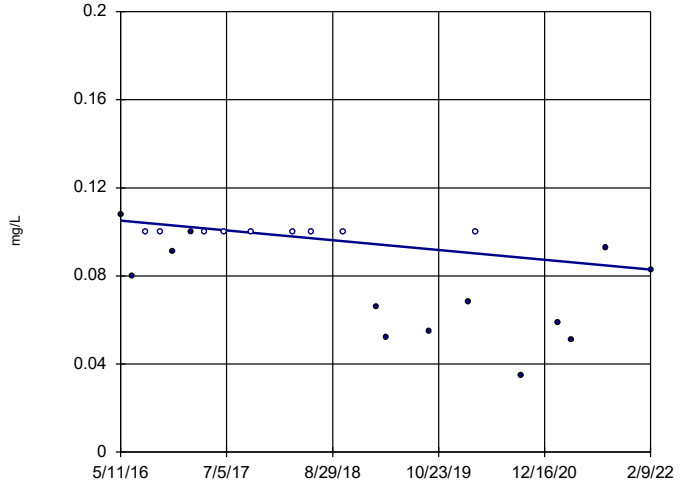
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 22

Slope = -0.003862 units per year.

Mann-Kendall statistic = -90
critical = -92

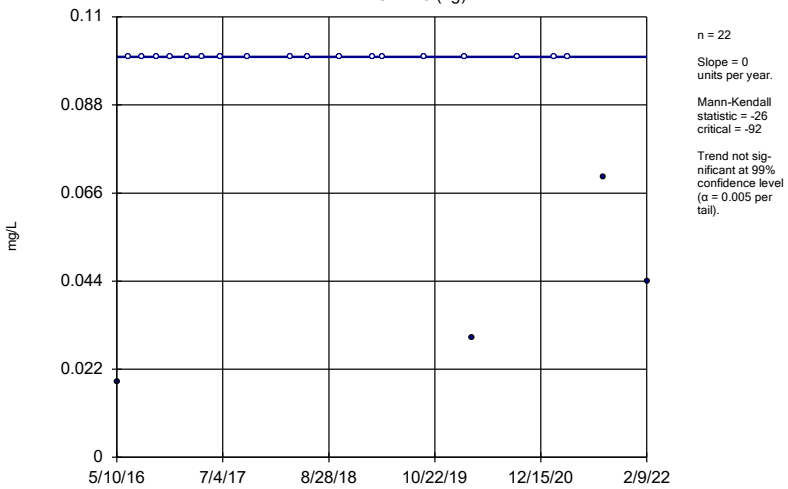
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -26
critical = -92

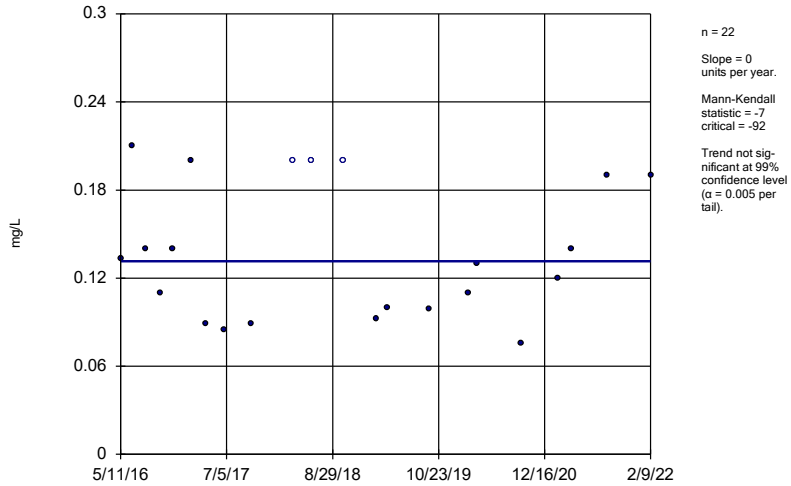
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-6



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -92

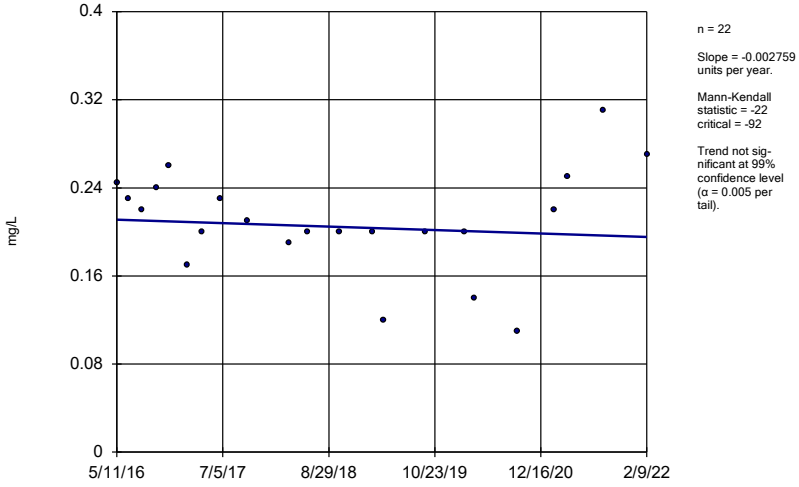
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 22

Slope = -0.002759 units per year.

Mann-Kendall statistic = -22
critical = -92

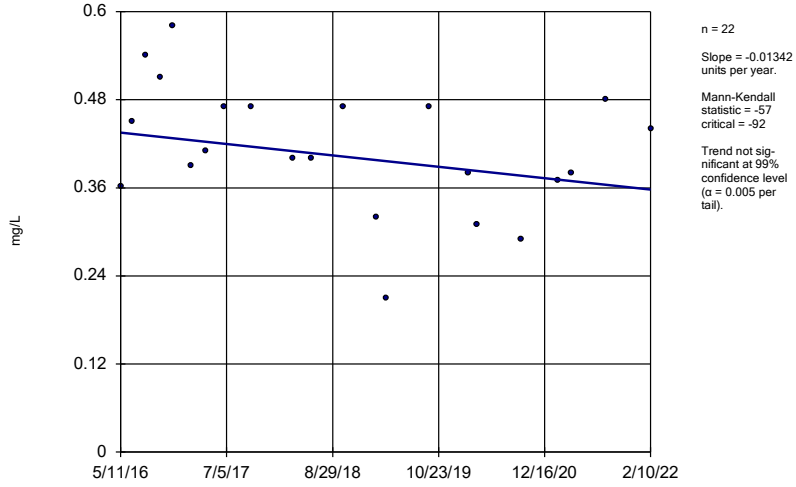
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 22

Slope = -0.01342 units per year.

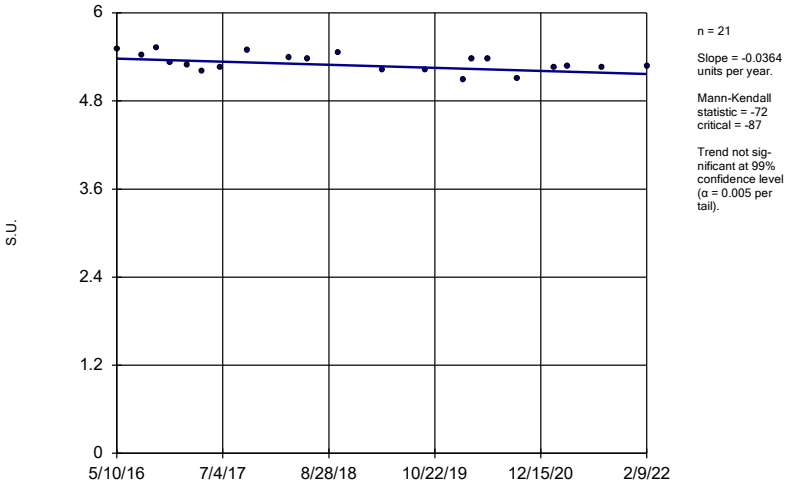
Mann-Kendall statistic = -57
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-1 (bg)



n = 21

Slope = -0.0364 units per year.

Mann-Kendall statistic = -72
critical = -87

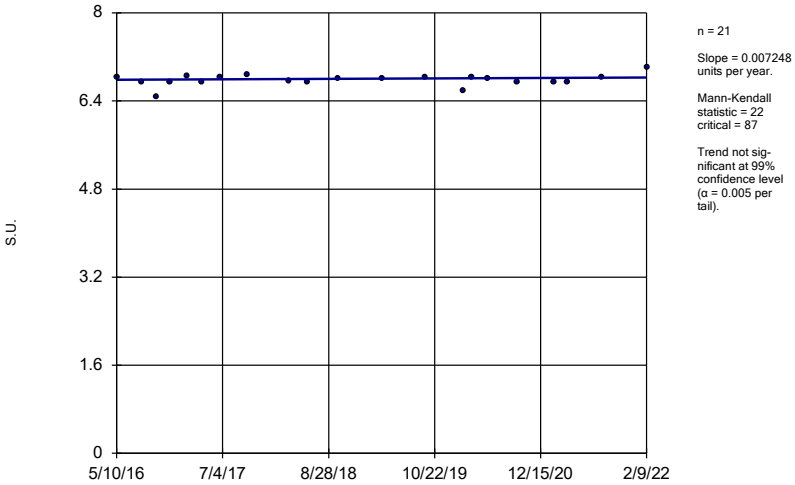
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 21

Slope = 0.007248 units per year.

Mann-Kendall statistic = 22
critical = 87

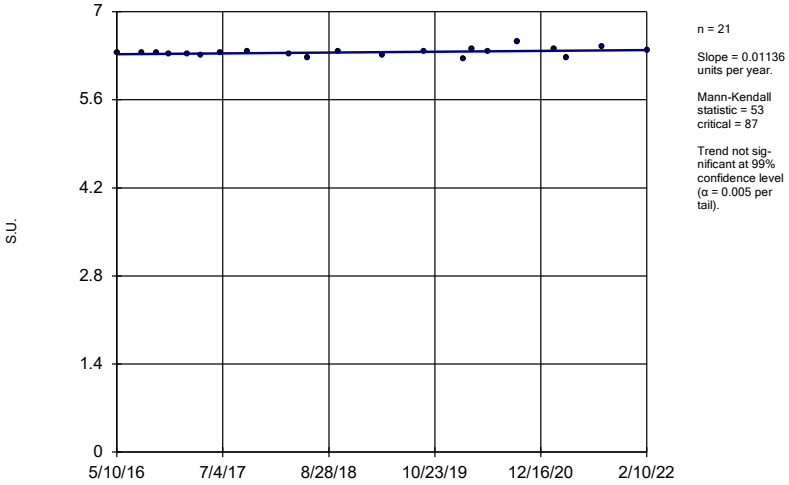
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 21

Slope = 0.01136 units per year.

Mann-Kendall statistic = 53
critical = 87

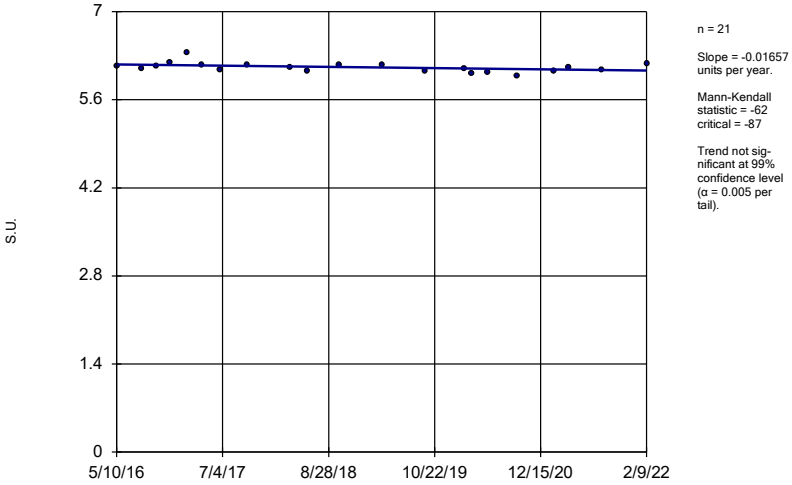
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 21

Slope = -0.01657 units per year.

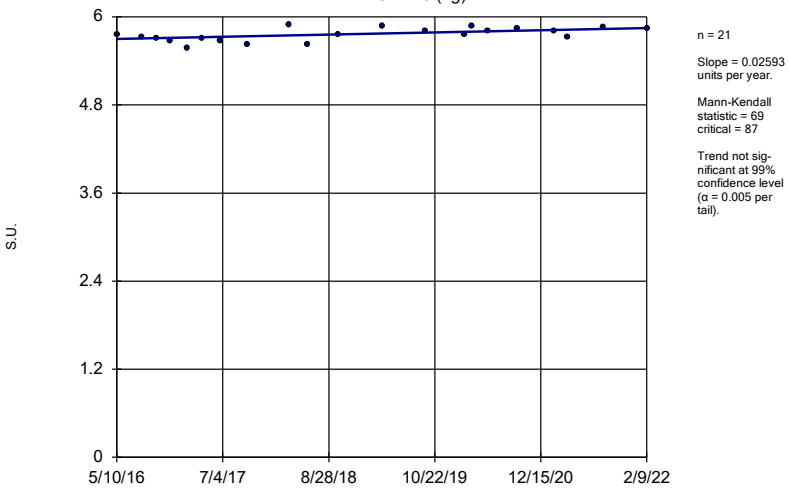
Mann-Kendall statistic = -62
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-3 (bg)



n = 21

Slope = 0.02593 units per year.

Mann-Kendall statistic = 69
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

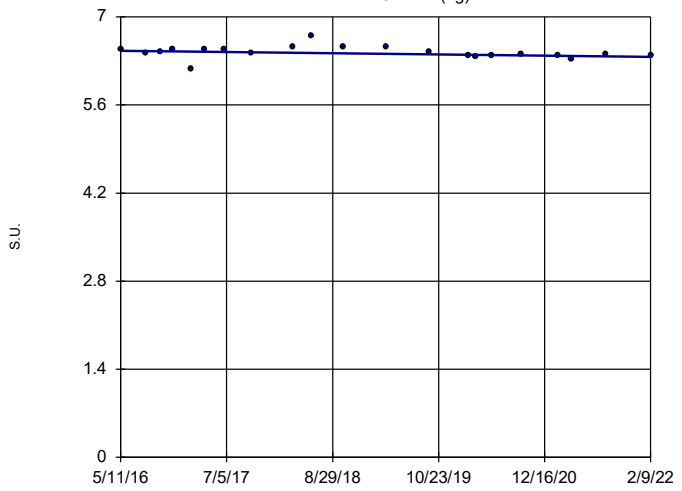
Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 21

Slope = -0.01681 units per year.

Mann-Kendall statistic = -61
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

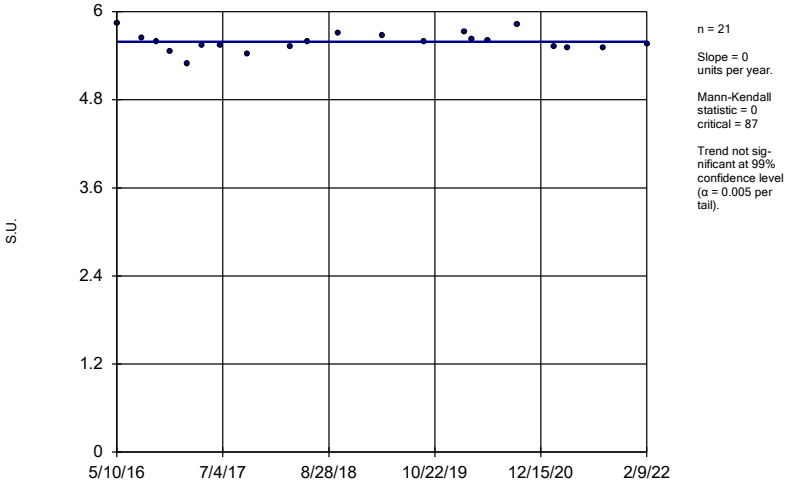
Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

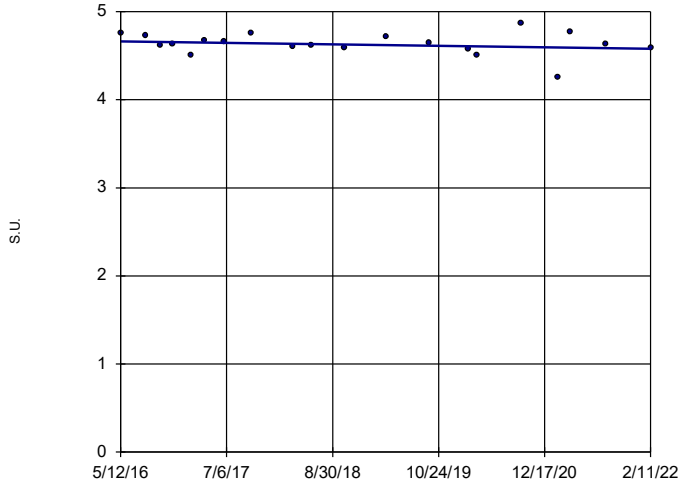
Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 20

Slope = -0.01445 units per year.

Mann-Kendall statistic = -35
critical = -81

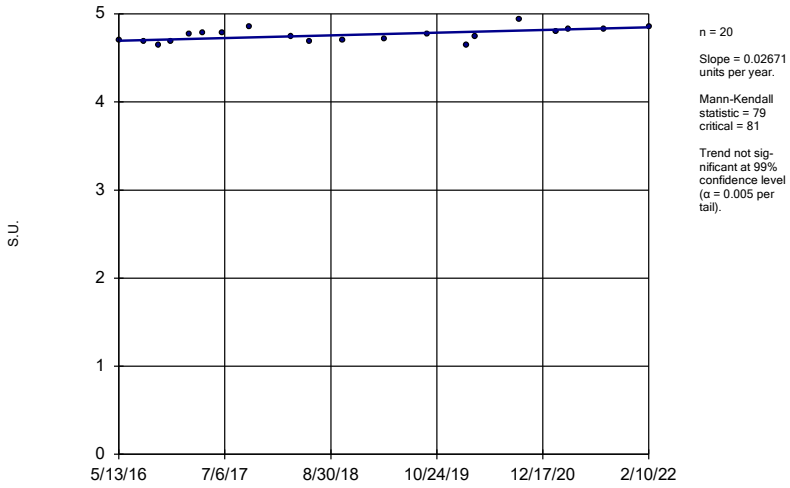
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-18



n = 20

Slope = 0.02671 units per year.

Mann-Kendall statistic = 79 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

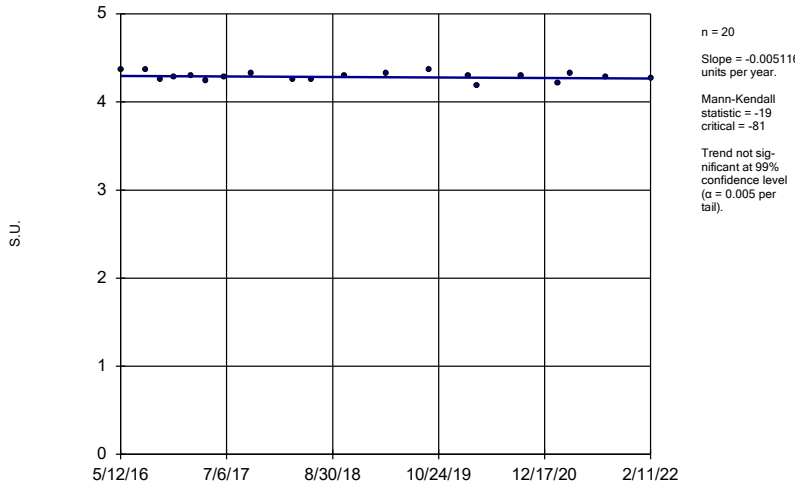
Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 20

Slope = -0.005116 units per year.

Mann-Kendall statistic = -19 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

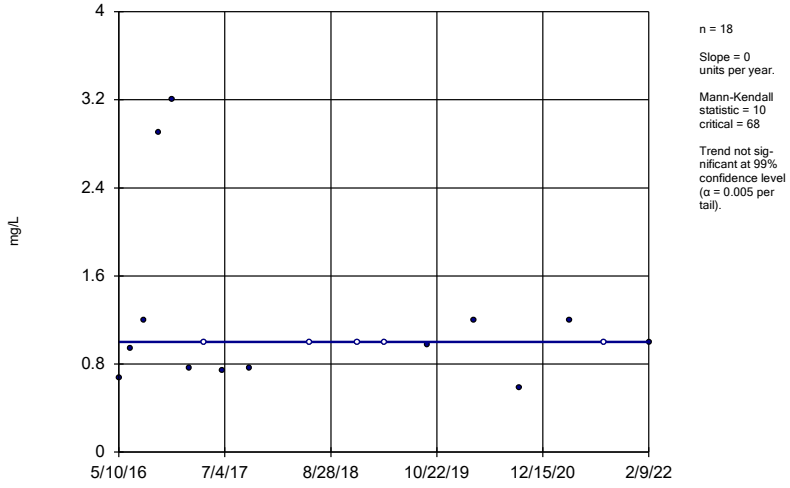
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

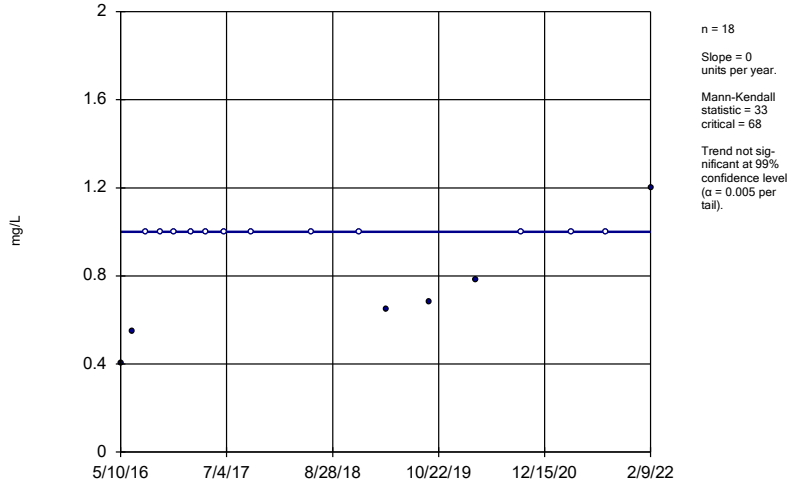
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 33 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

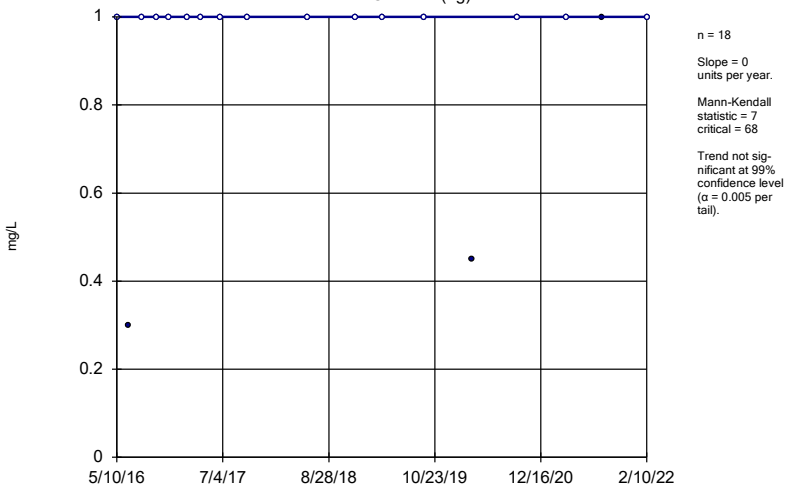
Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 68

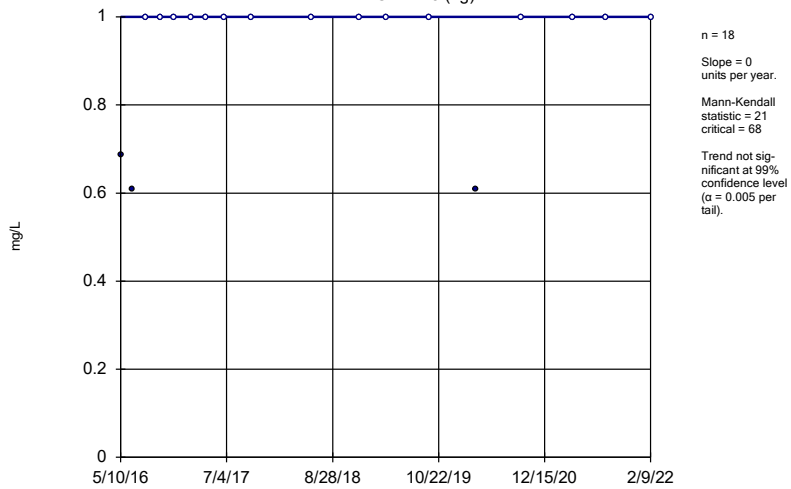
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 21
critical = 68

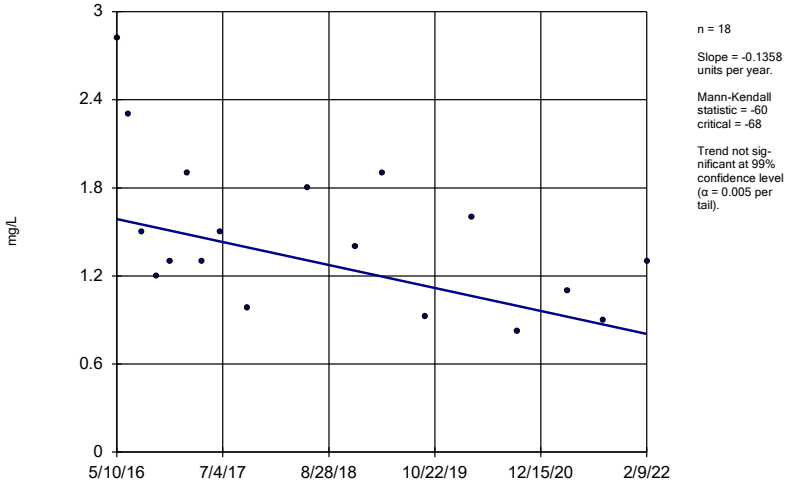
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-3 (bg)



n = 18

Slope = -0.1358 units per year.

Mann-Kendall statistic = -60
critical = -68

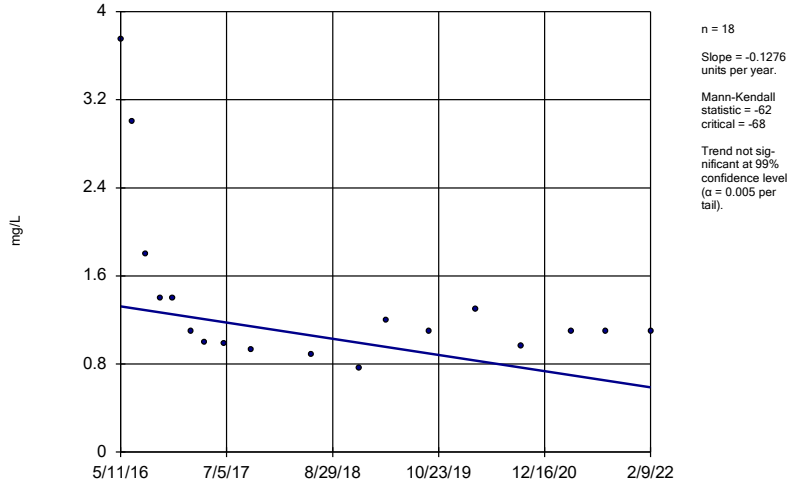
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 18

Slope = -0.1276 units per year.

Mann-Kendall statistic = -62
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

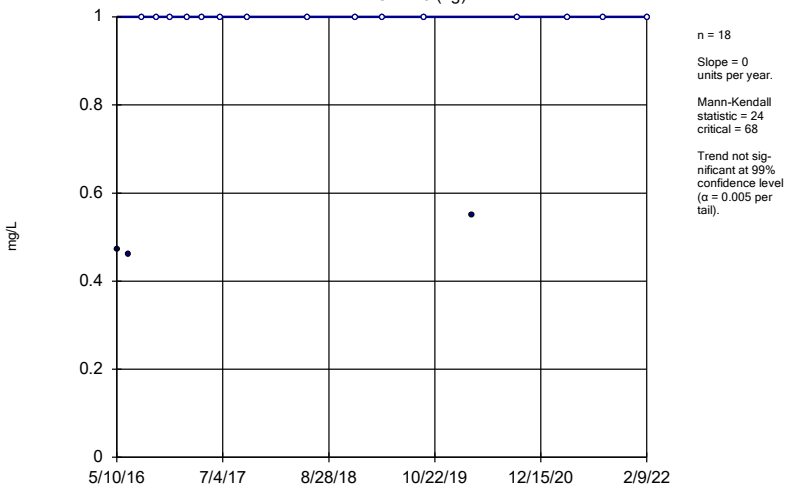
Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 24 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

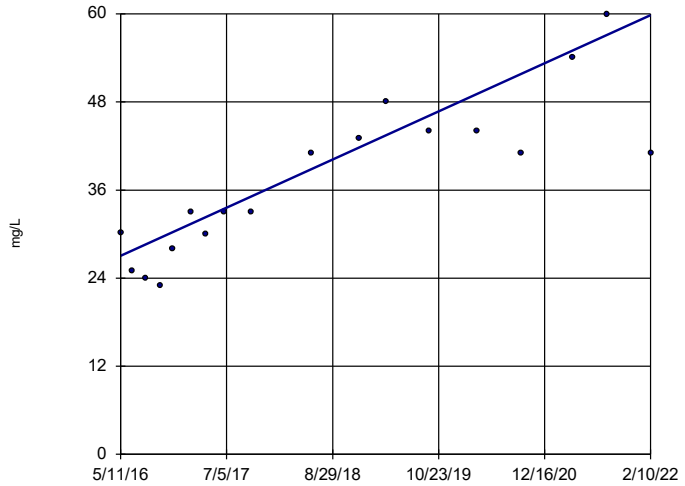
Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 18

Slope = 5.695 units per year.

Mann-Kendall statistic = 104 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

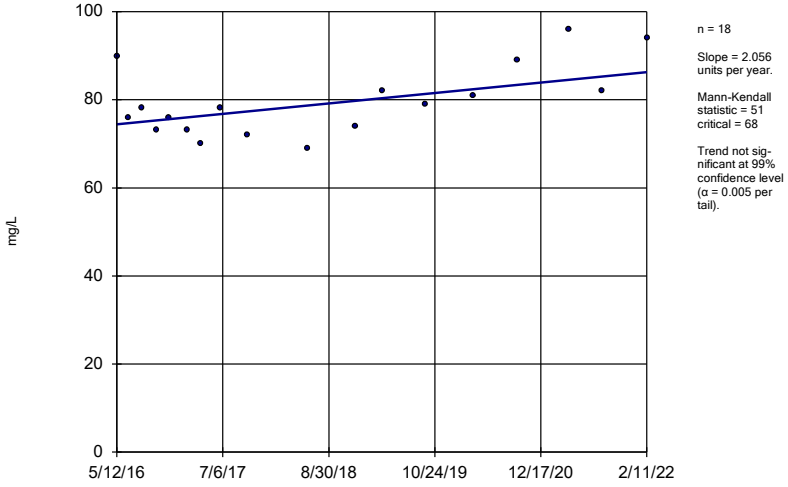
Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-13



n = 18

Slope = 2.056 units per year.

Mann-Kendall statistic = 51 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

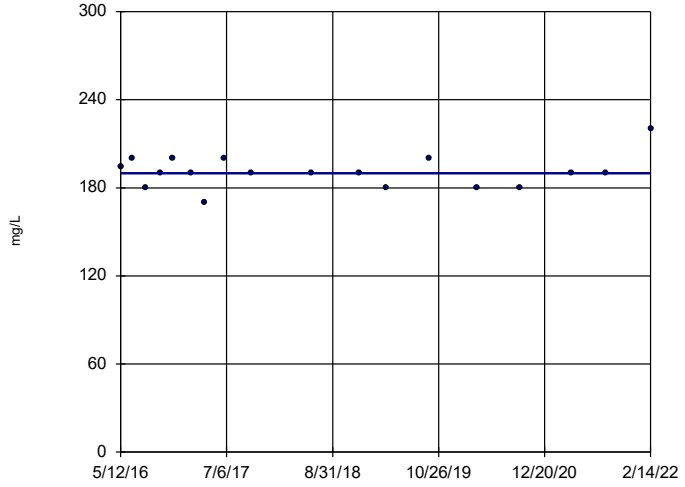
Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -8 critical = -68

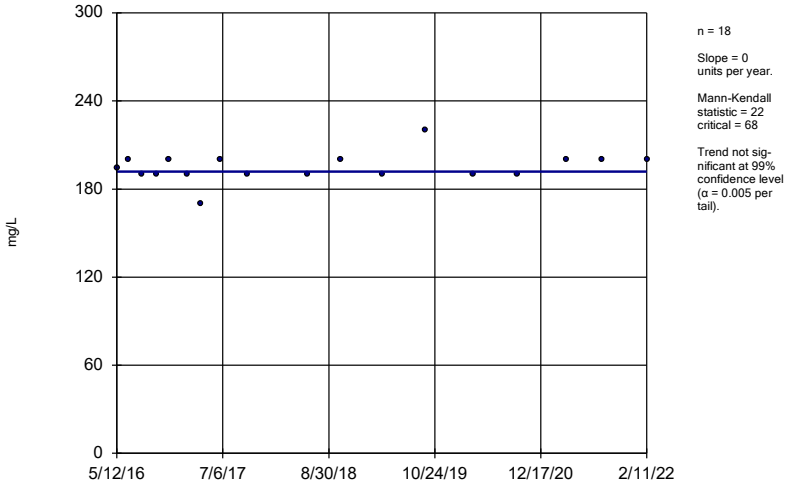
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-15



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 22
critical = 68

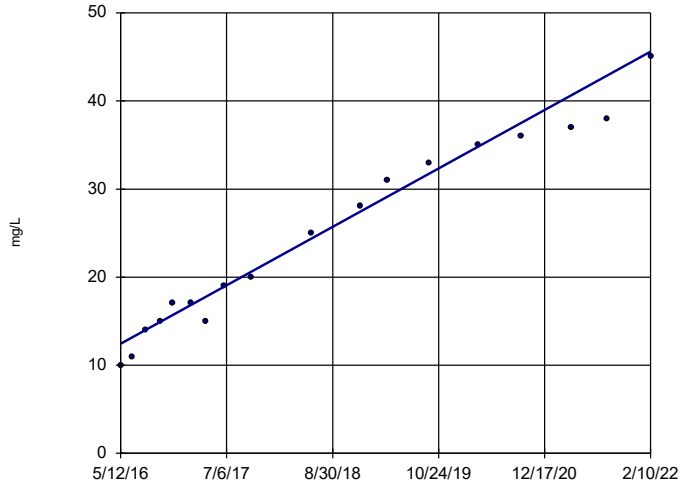
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-16



n = 18

Slope = 5.768 units per year.

Mann-Kendall statistic = 147
critical = 68

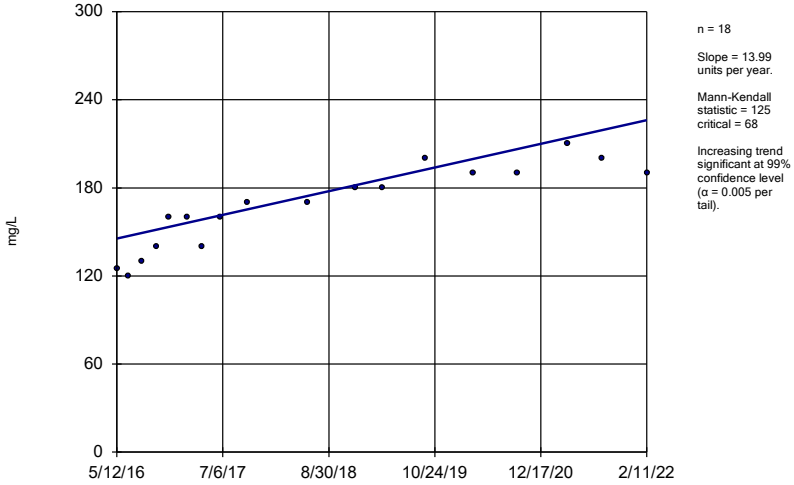
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 18

Slope = 13.99 units per year.

Mann-Kendall statistic = 125
critical = 68

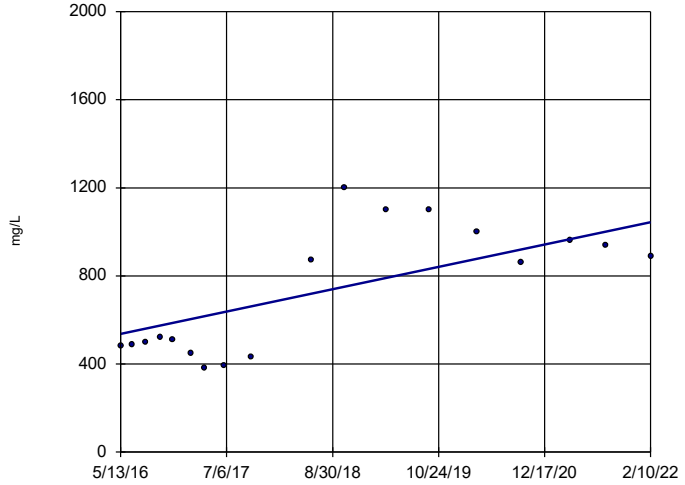
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 18

Slope = 88.24 units per year.

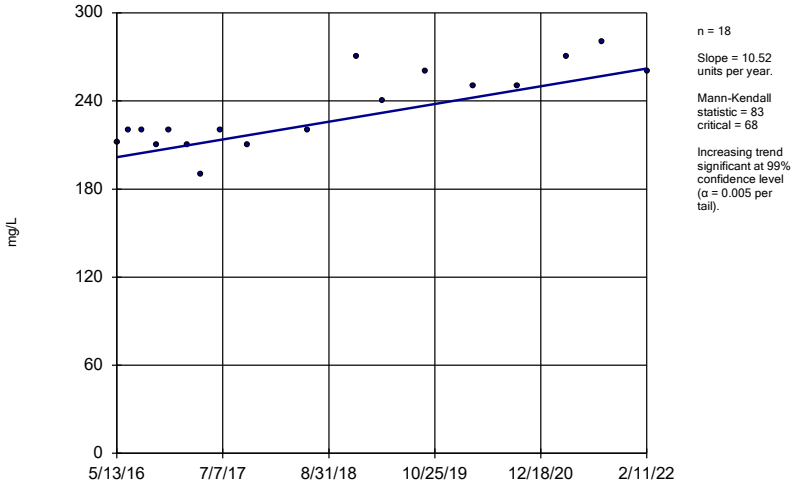
Mann-Kendall statistic = 54
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:25 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-19



n = 18

Slope = 10.52 units per year.

Mann-Kendall statistic = 83 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

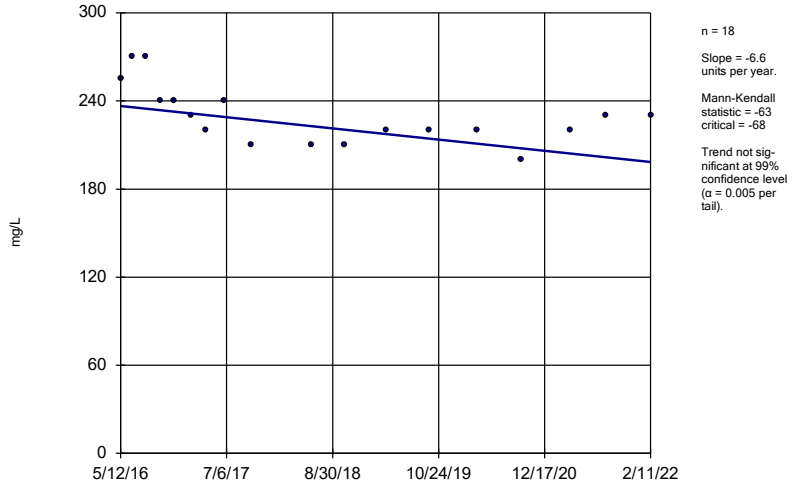
Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 18

Slope = -6.6 units per year.

Mann-Kendall statistic = -63 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

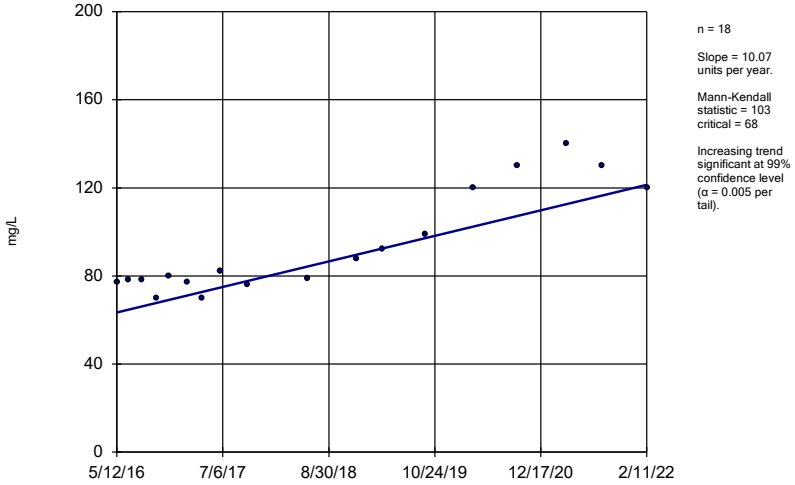
Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 18

Slope = 10.07 units per year.

Mann-Kendall statistic = 103 critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

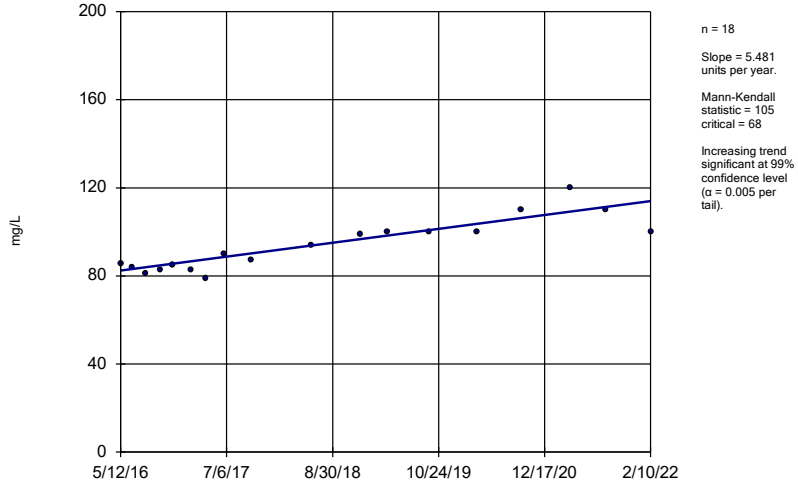
Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 18

Slope = 5.481 units per year.

Mann-Kendall statistic = 105 critical = 68

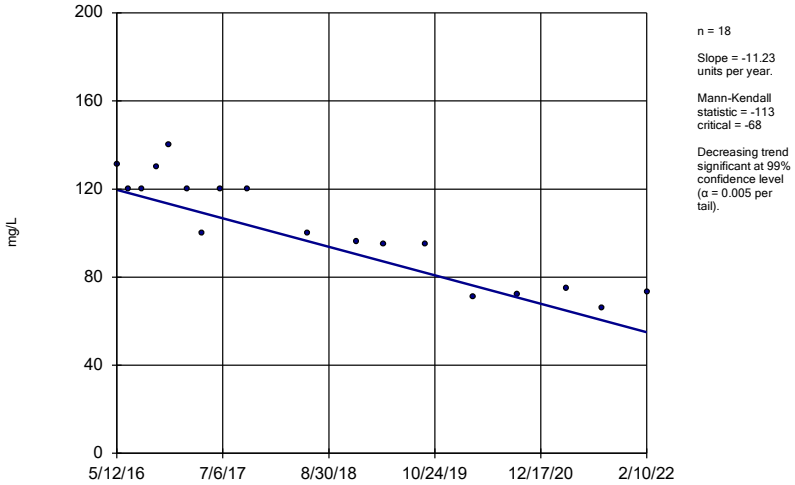
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



n = 18

Slope = -11.23 units per year.

Mann-Kendall statistic = -113
critical = -68

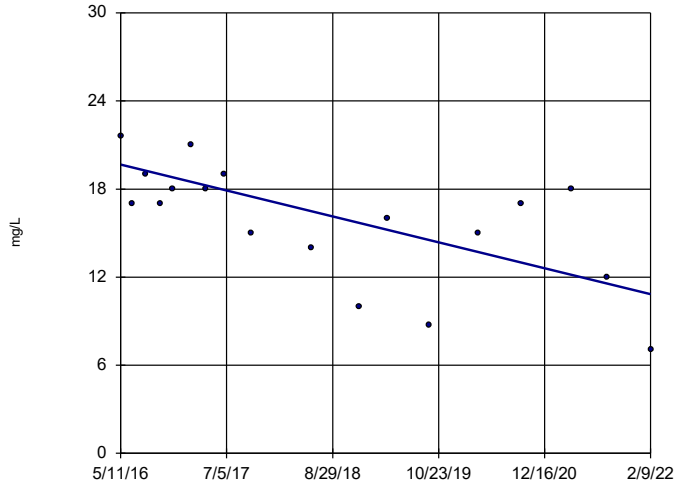
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-7



n = 18

Slope = -1.534 units per year.

Mann-Kendall statistic = -73
critical = -68

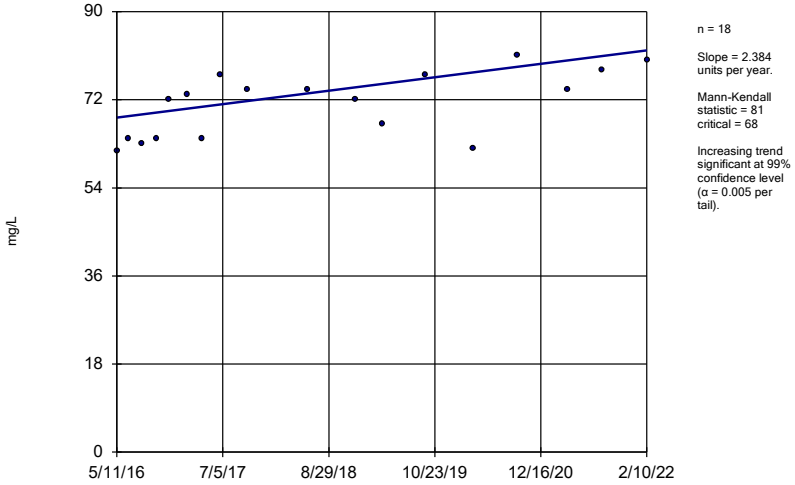
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



n = 18

Slope = 2.384 units per year.

Mann-Kendall statistic = 81
critical = 68

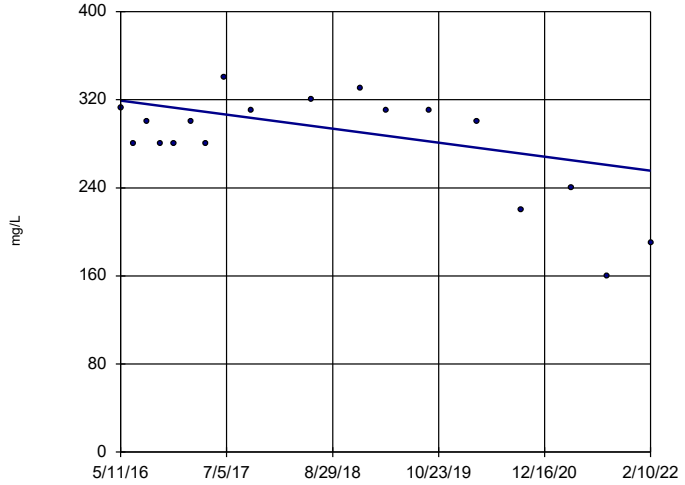
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



n = 18

Slope = -11.09 units per year.

Mann-Kendall statistic = -37
critical = -68

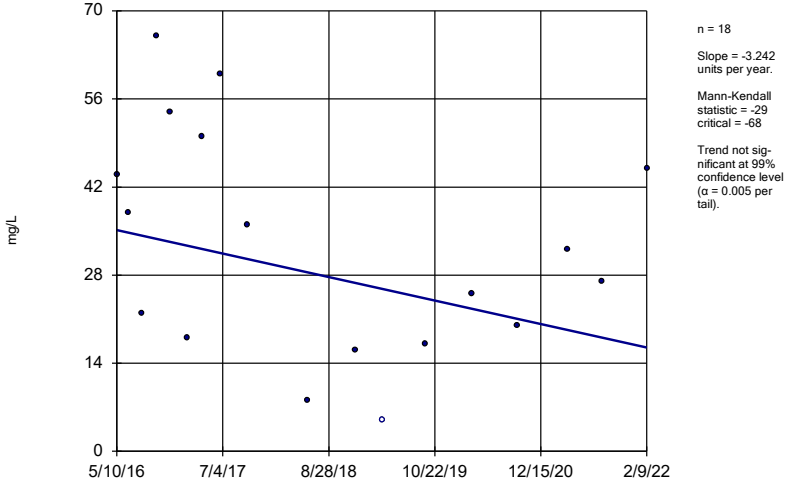
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 18

Slope = -3.242 units per year.

Mann-Kendall statistic = -29
critical = -68

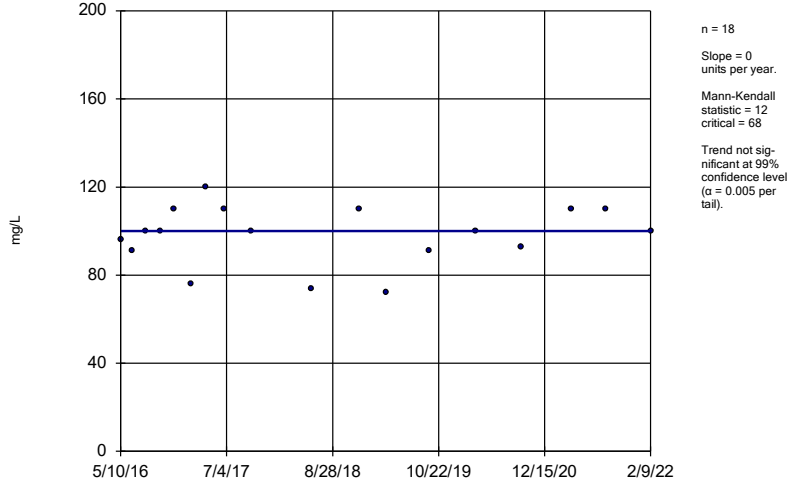
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 12
critical = 68

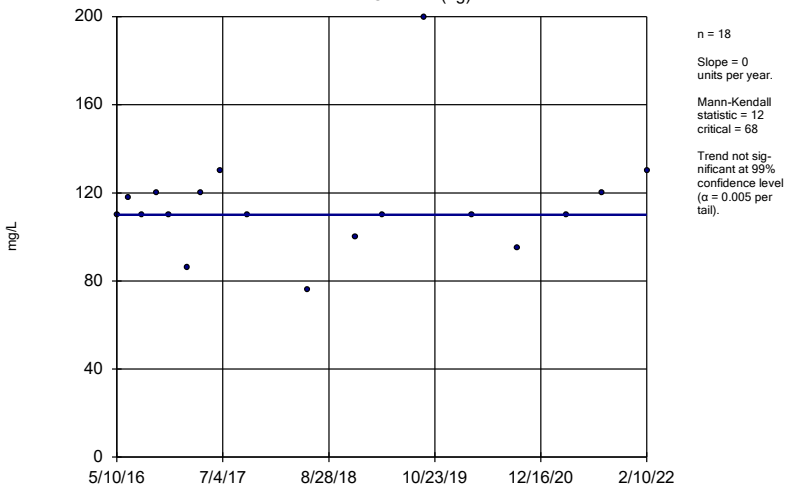
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-24 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 12
critical = 68

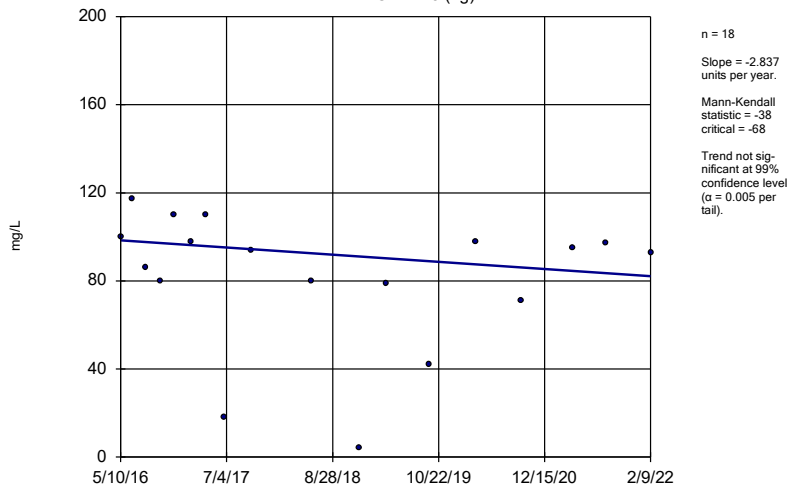
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 18

Slope = -2.837 units per year.

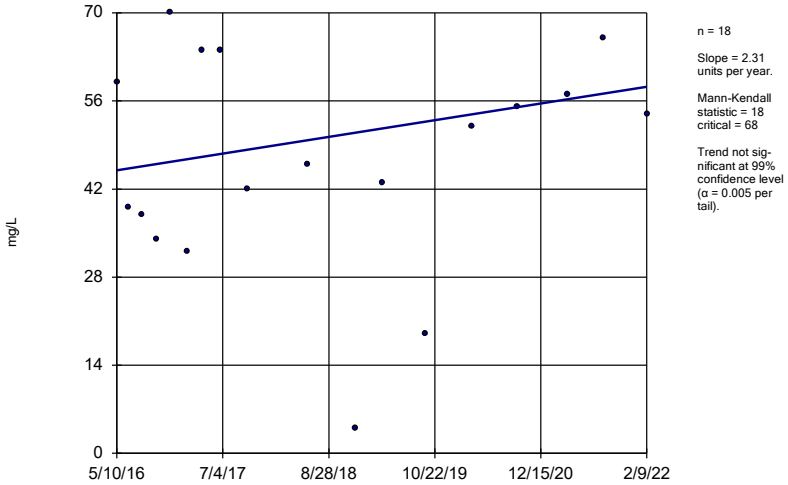
Mann-Kendall statistic = -38
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWA-3 (bg)



n = 18

Slope = 2.31 units per year.

Mann-Kendall statistic = 18 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

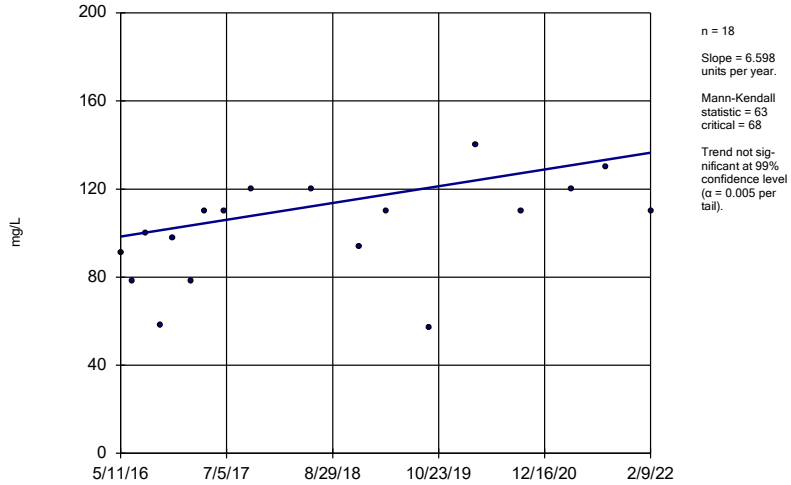
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 18

Slope = 6.598 units per year.

Mann-Kendall statistic = 63 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

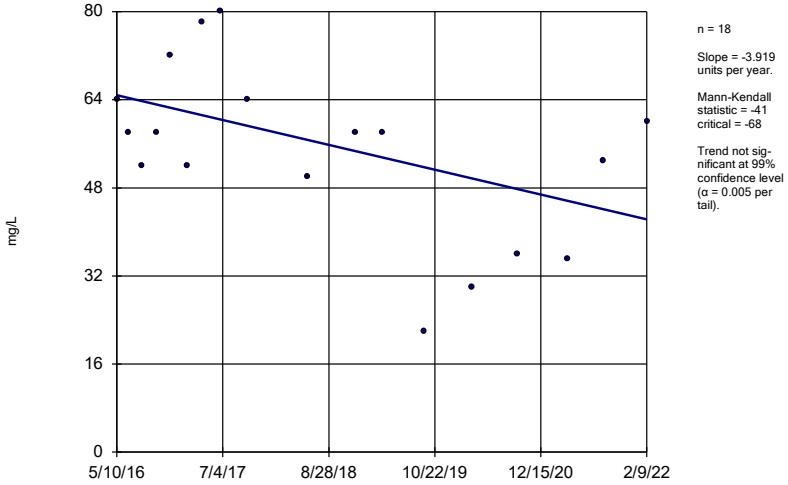
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-5 (bg)



n = 18

Slope = -3.919 units per year.

Mann-Kendall statistic = -41 critical = -68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

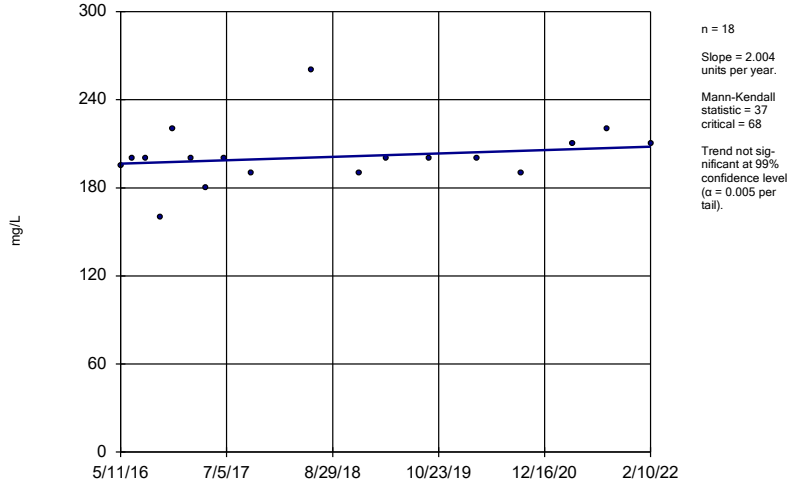
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-12



n = 18

Slope = 2.004 units per year.

Mann-Kendall statistic = 37 critical = 68

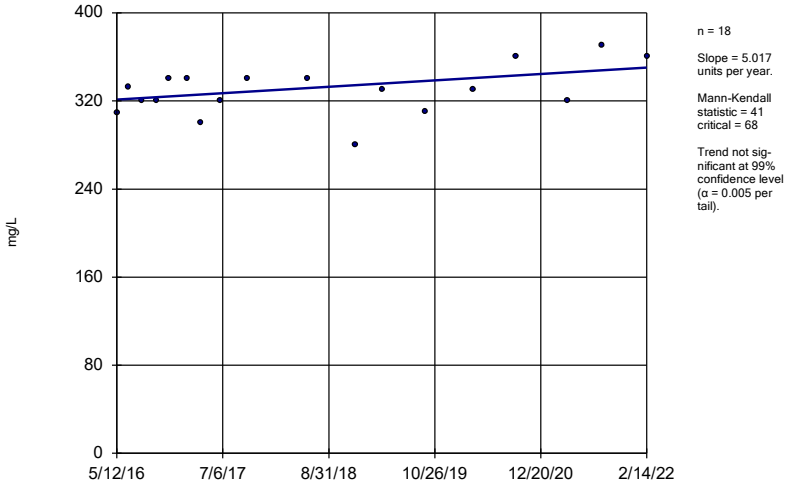
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-14



n = 18

Slope = 5.017 units per year.

Mann-Kendall statistic = 41
critical = 68

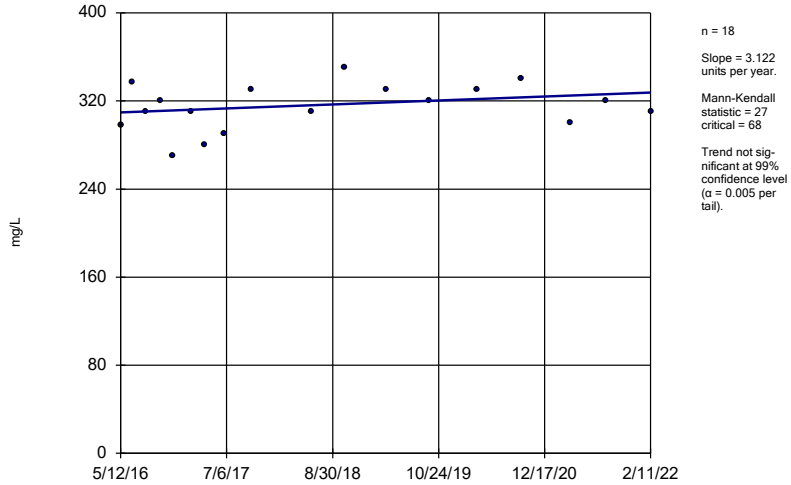
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 18

Slope = 3.122 units per year.

Mann-Kendall statistic = 27
critical = 68

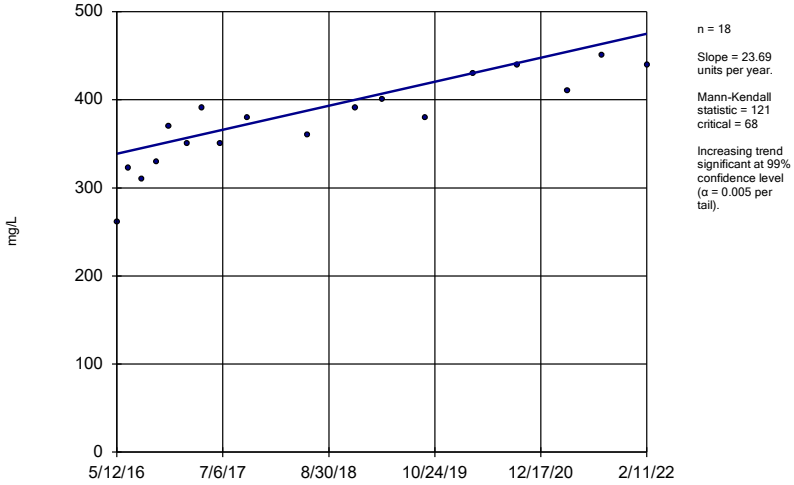
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-17



n = 18

Slope = 23.69 units per year.

Mann-Kendall statistic = 121
critical = 68

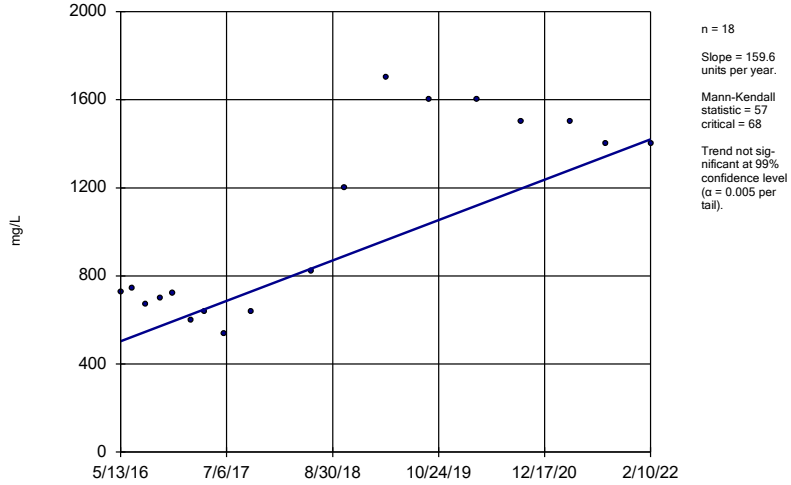
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 18

Slope = 159.6 units per year.

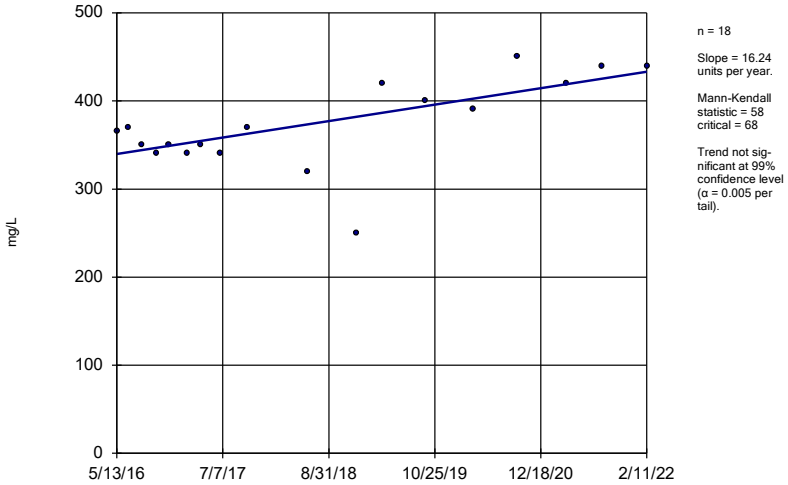
Mann-Kendall statistic = 57
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-19



n = 18

Slope = 16.24 units per year.

Mann-Kendall statistic = 58
critical = 68

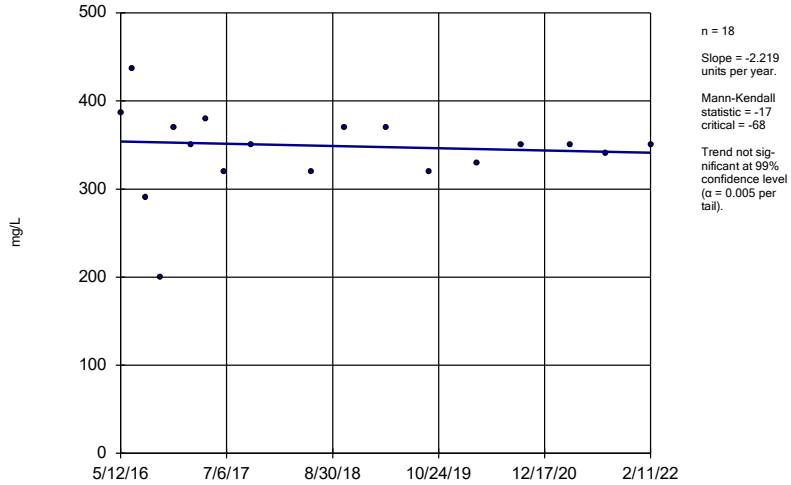
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 18

Slope = -2.219 units per year.

Mann-Kendall statistic = -17
critical = -68

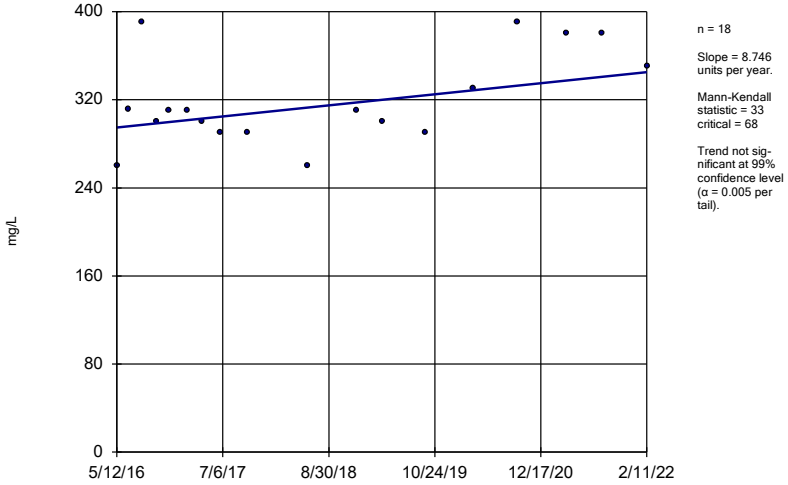
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-21



n = 18

Slope = 8.746 units per year.

Mann-Kendall statistic = 33
critical = 68

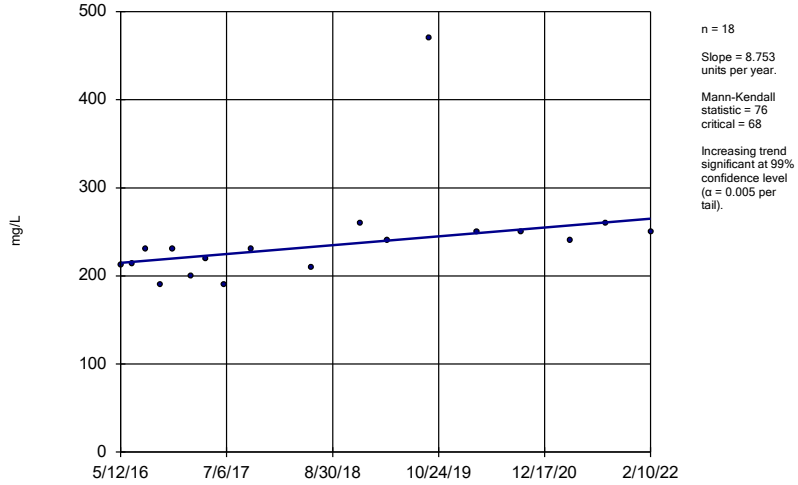
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-22



n = 18

Slope = 8.753 units per year.

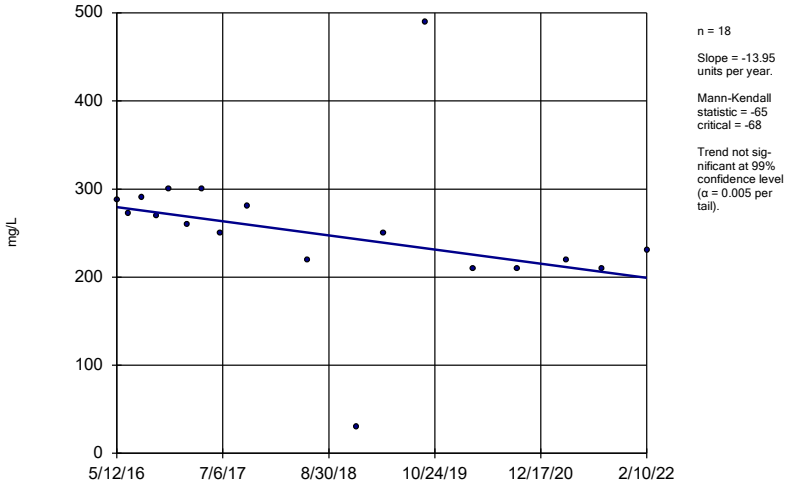
Mann-Kendall statistic = 76
critical = 68

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-23



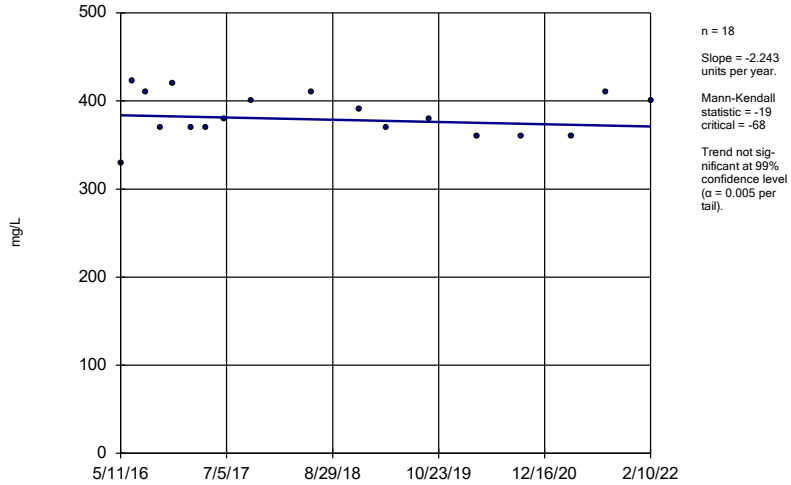
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-8



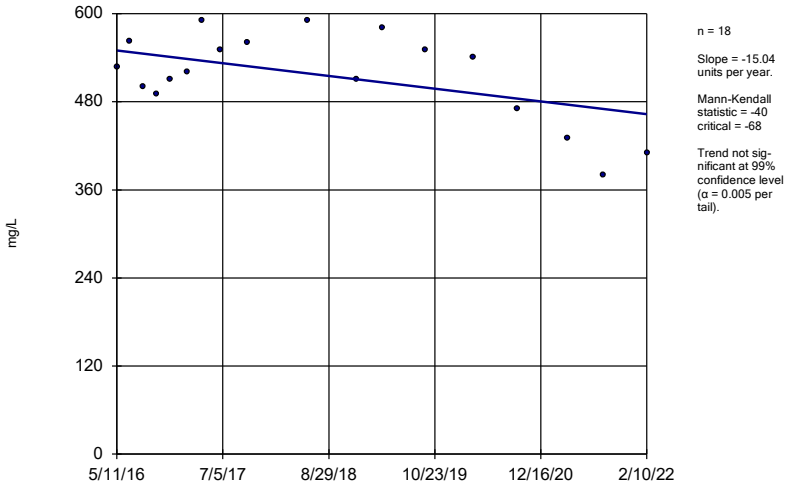
Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-9



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/28/2022 5:26 PM View: Appendix III - Trend Tes

Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE F.

Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:31 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0021	n/a	n/a	n/a	112	94.64	n/a	0.003199	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0015	n/a	n/a	n/a	147	86.39	n/a	0.0005313	NP Inter(NDs)
Barium (mg/L)	n/a	0.071	n/a	n/a	n/a	147	0	n/a	0.0005313	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	147	94.56	n/a	0.0005313	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	140	98.57	n/a	0.0007609	NP Inter(NDs)
Chromium (mg/L)	n/a	0.021	n/a	n/a	n/a	154	31.17	n/a	0.0003711	NP Inter(normality)
Cobalt (mg/L)	n/a	0.02	n/a	n/a	n/a	147	62.59	n/a	0.0005313	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	1.54	n/a	n/a	n/a	147	0	n/a	0.0005313	NP Inter(normality)
Fluoride, total (mg/L)	n/a	0.16	n/a	n/a	n/a	154	59.74	n/a	0.0003711	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	147	93.88	n/a	0.0005313	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	147	91.84	n/a	0.0005313	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	149	91.28	n/a	0.0004795	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	140	91.43	n/a	0.0007609	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	147	91.16	n/a	0.0005313	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	147	91.84	n/a	0.0005313	NP Inter(NDs)

FIGURE G.

SCHERER ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0021	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01
Barium, Total (mg/L)	2		0.071	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.021	0.1
Cobalt, Total (mg/L)		0.006	0.02	0.02
Combined Radium, Total (pCi/L)	5		1.54	5
Fluoride, Total (mg/L)	4		0.16	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.0005	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

Grey cell indicates Background Limit is higher than MCL or CCR-Rule Specified Level

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE H.

Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.03111**	**0.02168**	**0.02**	**Yes**	**21**	**0.0264**	**0.00854**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02809**	**0.02162**	**0.02**	**Yes**	**21**	**0.02486**	**0.005868**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2751**	**0.2574**	**0.02**	**Yes**	**21**	**0.2663**	**0.01604**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.1536**	**0.1133**	**0.02**	**Yes**	**21**	**0.1334**	**0.03648**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.2159**	**0.1612**	**0.02**	**Yes**	**21**	**0.1885**	**0.04958**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 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	15	0.00196	0.0001549	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	15	0.001893	0.0004131	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	14	0.001943	0.0002138	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	15	0.001893	0.0004131	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	21	0.0009443	0.000145	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.0011	0.00076	0.01	No	21	0.001005	0.00009908	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.0011	0.00076	0.01	No	21	0.0008938	0.0002434	57.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.0014	0.00088	0.01	No	21	0.0009733	0.0001638	80.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	21	0.0009738	0.0001785	76.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001461	0.0009087	0.01	No	21	0.00127	0.0004852	19.05	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	21	0.0009248	0.0001929	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	21	0.0009131	0.0001784	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.003211	0.001851	0.01	No	21	0.002531	0.001233	0	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	21	0.0009648	0.0001124	90.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	21	0.0008495	0.0003256	42.86	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	21	0.0009886	0.00005237	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	21	0.0008805	0.0002456	76.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	21	0.0009714	0.00009462	90.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	21	0.0009286	0.0001814	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0006	0.01	No	21	0.0008895	0.0001945	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.00076	0.01	No	21	0.0008938	0.0002063	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.00074	0.01	No	21	0.0008705	0.0002169	57.14	None	No	0.01	NP (NDs)
Barium (mg/L)	SGWC-10	0.03223	0.02774	2	No	21	0.02999	0.004073	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.04281	0.03827	2	No	21	0.04054	0.004115	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-12	0.05143	0.04014	2	No	21	0.04579	0.01023	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.03466	0.02778	2	No	21	0.03122	0.006239	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05871	0.0507	2	No	21	0.0547	0.007264	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.03801	0.03185	2	No	21	0.03493	0.005586	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.0268	0.02042	2	No	21	0.02361	0.005776	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-17	0.02252	0.01927	2	No	21	0.0209	0.002948	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02357	0.0157	2	No	21	0.02006	0.007469	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-19	0.04035	0.03339	2	No	21	0.03687	0.006307	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03355	0.02505	2	No	21	0.0293	0.007704	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-21	0.11	0.091	2	No	21	0.1	0.01294	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.09034	0.07986	2	No	21	0.0851	0.009499	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.08336	0.06879	2	No	21	0.07608	0.01321	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-6	0.1095	0.06841	2	No	21	0.08897	0.03727	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2955	0.2529	2	No	21	0.2742	0.03857	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.19	0.17	2	No	21	0.1817	0.02001	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-9	0.06641	0.05453	2	No	21	0.06047	0.01076	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	21	0.002393	0.0004888	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	21	0.002297	0.0006443	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00053	0.00037	0.004	No	21	0.000709	0.000752	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	21	0.002394	0.0004844	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00033	0.004	No	21	0.00137	0.001105	47.62	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-19	0.0025	0.0002	0.004	No	21	0.001948	0.001012	76.19	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008141	0.0006679	0.004	No	21	0.000741	0.0001325	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	21	0.002397	0.0004735	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	21	0.00239	0.0005019	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	21	0.002285	0.0006785	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	20	0.002386	0.0005098	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	20	0.002285	0.0006646	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.0025	0.00027	0.005	No	20	0.001189	0.001099	40	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00032	0.005	No	20	0.001822	0.001063	70	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	20	0.002393	0.0004785	95	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 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	20	0.00226	0.0007375	90	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	20	0.002394	0.0004718	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	20	0.002386	0.0005098	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	20	0.00239	0.0004897	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	21	0.001986	0.00006547	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0019	0.1	No	21	0.001871	0.000381	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03487	0.0325	0.1	No	21	0.03369	0.002147	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.0117	0.009812	0.1	No	21	0.01075	0.001708	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.00721	0.004433	0.1	No	21	0.005821	0.002517	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.01026	0.007492	0.1	No	21	0.009039	0.002851	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.01574	0.01437	0.1	No	21	0.01506	0.00124	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0009	0.1	No	21	0.001957	0.0002461	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.0022	0.002	0.1	No	21	0.001929	0.0002217	76.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0024	0.0015	0.1	No	21	0.001857	0.0004154	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001743	0.00133	0.1	No	21	0.00181	0.0003632	42.86	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	SGWC-7	0.0026	0.002	0.1	No	21	0.002029	0.0001309	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0021	0.0015	0.1	No	21	0.001867	0.0004293	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-13S	0.007698	0.004252	0.02	No	4	0.005975	0.0007588	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-39S	0.0006428	0.0001905	0.02	No	4	0.0008975	0.001073	25	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-41S	0.0092	0.00093	0.02	No	4	0.003158	0.004031	0	None	No	0.0625	NP (normality)
Cobalt (mg/L)	PZ-43S	0.0086	0.00025	0.02	No	4	0.00308	0.003798	25	None	No	0.0625	NP (selected)
Cobalt (mg/L)	**SGWC-10**	**0.03111**	**0.02168**	**0.02**	**Yes**	**21**	**0.0264**	**0.00854**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02809**	**0.02162**	**0.02**	**Yes**	**21**	**0.02486**	**0.005868**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003874	0.002389	0.02	No	21	0.003132	0.001346	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.006669	0.002958	0.02	No	21	0.00521	0.003749	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-14	0.01117	0.006792	0.02	No	21	0.008983	0.003973	0	None	No	0.01	Param.
Cobalt (mg/L)	**SGWC-15**	**0.2751**	**0.2574**	**0.02**	**Yes**	**21**	**0.2663**	**0.01604**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.004328	0.003542	0.02	No	21	0.003935	0.0007124	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.000845	0.00041	0.02	No	21	0.0008879	0.000813	19.05	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.1536**	**0.1133**	**0.02**	**Yes**	**21**	**0.1334**	**0.03648**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00016	0.02	No	21	0.00141	0.001086	47.62	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-20**	**0.2159**	**0.1612**	**0.02**	**Yes**	**21**	**0.1885**	**0.04958**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00016	0.02	No	21	0.001605	0.001169	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.003376	0.001832	0.02	No	21	0.002604	0.0014	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.02	No	21	0.002387	0.0005172	95.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.002217	0.0008878	0.02	No	21	0.002021	0.001148	38.1	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	SGWC-7	0.01036	0.005064	0.02	No	21	0.00771	0.004796	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.00049	0.02	No	21	0.001911	0.0009915	66.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.01196	0.005761	0.02	No	21	0.008862	0.005622	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.452	0.0222	5	No	21	0.2839	0.3518	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.4972	0.1656	5	No	21	0.3314	0.3006	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4152	0.152	5	No	21	0.2836	0.2386	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4499	0.1763	5	No	21	0.3131	0.248	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3413	0.05517	5	No	21	0.1982	0.2593	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4681	0.2534	5	No	21	0.3607	0.1946	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3552	0.1028	5	No	21	0.229	0.2288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.4081	0.1719	5	No	21	0.29	0.2141	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.439	0.17	5	No	21	0.3824	0.3463	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.431	0.11	5	No	21	0.2823	0.3493	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.5863	0.2766	5	No	21	0.4315	0.2807	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.216	5	No	21	0.44	0.3654	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4559	0.13	5	No	21	0.3456	0.4132	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.6434	0.3896	5	No	21	0.5165	0.2301	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.384	0.1343	5	No	21	0.2591	0.2263	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.5378	0.3186	5	No	21	0.4282	0.1987	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.518	2.044	5	No	21	2.281	0.4295	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3635	0.1256	5	No	21	0.2446	0.2156	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-10	0.1	0.047	4	No	22	0.08759	0.02729	81.82	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-11	0.1	0.08	4	No	22	0.09414	0.01676	86.36	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-12	0.09725	0.06303	4	No	22	0.08882	0.03134	18.18	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-13	0.1	0.053	4	No	22	0.08645	0.03009	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-14	0.1	0.04	4	No	22	0.07868	0.03209	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-15	0.14	0.12	4	No	22	0.14	0.05403	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-16	0.1	0.09	4	No	22	0.0865	0.02858	77.27	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-17	0.07245	0.04562	4	No	22	0.07905	0.0327	40.91	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-18	0.1	0.099	4	No	22	0.09215	0.03088	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-19	0.18	0.057	4	No	22	0.09771	0.02741	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-20	0.2514	0.1798	4	No	22	0.219	0.07267	0	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-21	0.09342	0.06771	4	No	22	0.09114	0.02398	31.82	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-22	0.1	0.1	4	No	22	0.08868	0.025	77.27	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	SGWC-23	0.1	0.046	4	No	22	0.07655	0.02694	40.91	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	SGWC-6	0.1429	0.1026	4	No	22	0.1247	0.03988	13.64	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	SGWC-7	0.235	0.1845	4	No	22	0.2098	0.04702	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-8	0.46	0.3674	4	No	22	0.4137	0.08622	0	None	No	0.01	Param.
Fluoride, total (mg/L)	SGWC-9	0.08327	0.05916	4	No	22	0.08414	0.02351	40.91	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	SGWC-10	0.001	0.00014	0.001	No	21	0.0008762	0.0003108	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-12	0.001	0.0002	0.001	No	21	0.0009619	0.0001746	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.001	No	21	0.000971	0.0001331	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.001	No	21	0.0009438	0.0001943	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.001	No	21	0.0009633	0.000168	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.001	No	21	0.0009586	0.0001898	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.001	No	21	0.0009605	0.0001811	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.001	No	21	0.0009524	0.0001644	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-19	0.001	0.00033	0.001	No	21	0.0009681	0.0001462	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00025	0.001	No	21	0.0005933	0.0003681	42.86	None	No	0.01	NP (normality)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.001	No	21	0.0008133	0.0003463	76.19	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.001	No	21	0.0008419	0.000334	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.001	No	21	0.0009567	0.0001986	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-6	0.001	0.0002	0.001	No	21	0.0009619	0.0001746	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.001	No	21	0.0009114	0.0002569	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.001	No	21	0.0009481	0.000172	90.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-44I	0.06169	0.0004218	0.005	No	5	0.0227	0.02646	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	SGWC-11	0.005	0.0029	0.005	No	21	0.004095	0.001374	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0011	0.005	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0014	0.005	No	21	0.004829	0.0007856	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0011	0.005	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.005	No	21	0.004162	0.0009729	52.38	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-16	0.005	0.0015	0.005	No	21	0.004833	0.0007638	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.005	No	21	0.004829	0.0007856	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.004753	0.00399	0.005	No	21	0.004662	0.0006569	23.81	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.0072	0.0022	0.005	No	21	0.004833	0.001013	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004803	0.004007	0.005	No	20	0.004405	0.0007007	5	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.005	No	21	0.004324	0.001335	76.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.005	No	21	0.004619	0.00102	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0032	0.005	No	21	0.004262	0.0008953	47.62	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-6	0.005	0.0013	0.005	No	21	0.004824	0.0008074	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-7	0.005296	0.004244	0.005	No	20	0.00477	0.0009257	0	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0021	0.005	No	21	0.004095	0.001478	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	21	0.0001967	0.00001528	95.24	None	No	0.01	NP (NDs)

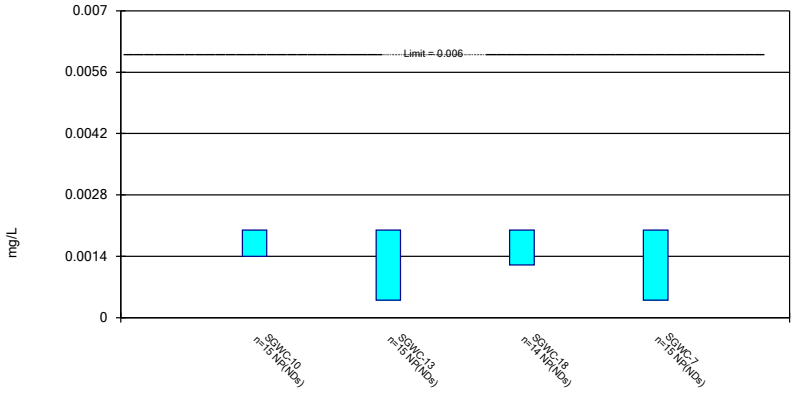
Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/28/2022, 6:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	21	0.0001949	0.00002335	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	21	0.0001861	0.00003513	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00012	0.002	No	21	0.0001579	0.00004451	42.86	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	21	0.0001941	0.00002706	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	21	0.00019	0.00002739	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001726	0.0001126	0.002	No	21	0.0001789	0.0000461	28.57	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	21	0.000185	0.00003888	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	21	0.0001952	0.00002204	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.00028	0.00011	0.002	No	21	0.0001891	0.00004286	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	21	0.0001941	0.00002706	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.015	No	20	0.01361	0.004263	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.015	No	20	0.01369	0.004046	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.015	No	20	0.01358	0.004357	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.00343	0.0012	0.015	No	20	0.004441	0.005468	20	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.015	No	20	0.01429	0.003175	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.00099	0.015	No	20	0.008708	0.007143	55	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	21	0.004784	0.0009907	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	21	0.004777	0.001023	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	21	0.004569	0.001364	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	21	0.004595	0.001279	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0014	0.05	No	21	0.004148	0.002581	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	21	0.003736	0.001851	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	21	0.004341	0.001656	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.01053	0.003793	0.05	No	21	0.00849	0.008078	4.762	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00096	0.05	No	21	0.004385	0.001545	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.0012	0.05	No	21	0.003969	0.001826	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00033	0.05	No	21	0.004324	0.001697	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	21	0.004344	0.001646	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	21	0.004778	0.001017	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	21	0.000909	0.0002526	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	21	0.0009195	0.0002542	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	21	0.0009319	0.0002158	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	21	0.0009629	0.0001702	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.0011	0.00035	0.002	No	21	0.0008952	0.0002796	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.000098	0.002	No	21	0.0005644	0.0004342	47.62	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	21	0.0009638	0.0001658	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00029	0.00013	0.002	No	21	0.0003055	0.0002786	9.524	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00025	0.00016	0.002	No	21	0.0002629	0.0002509	9.524	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	21	0.0009705	0.0001353	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	21	0.00096	0.0001833	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	21	0.0008652	0.0002897	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	21	0.0009352	0.000207	90.48	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	21	0.0008776	0.0002817	80.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	21	0.0009367	0.0002011	90.48	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

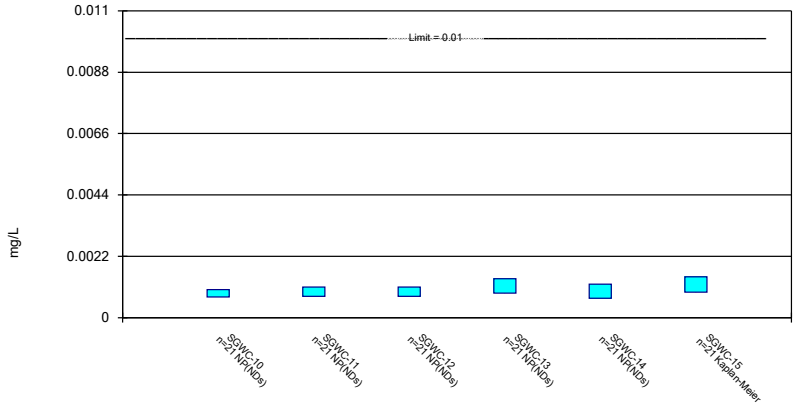
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

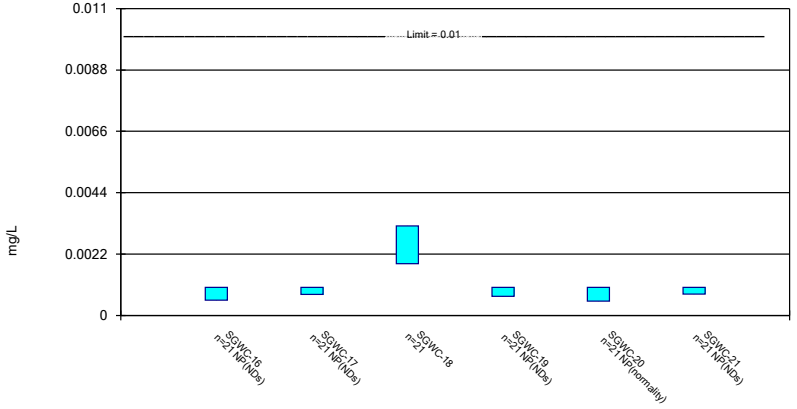
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

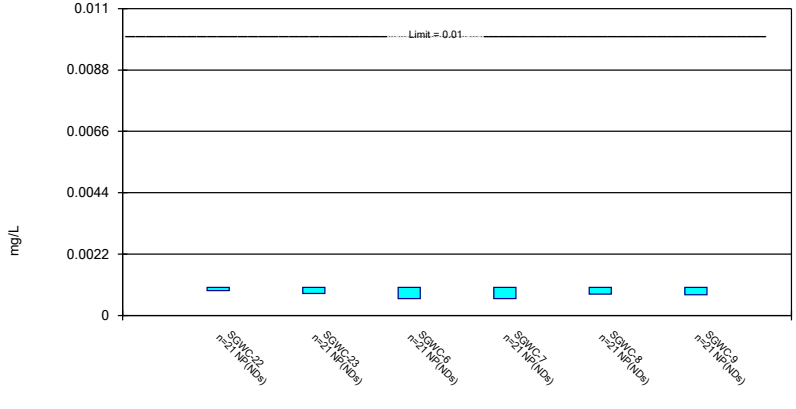
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

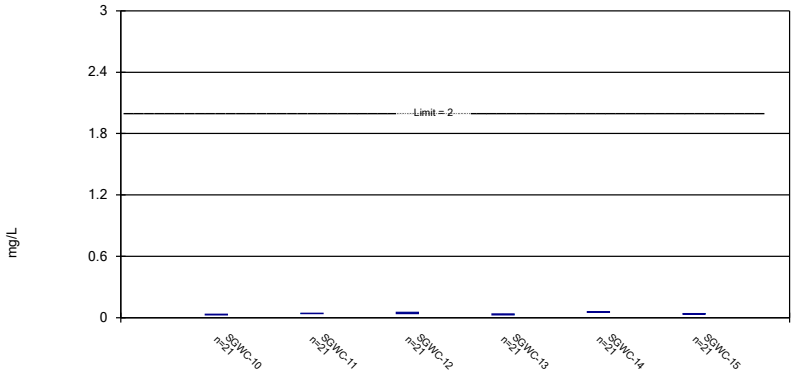
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 4/28/2022 6:15 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.

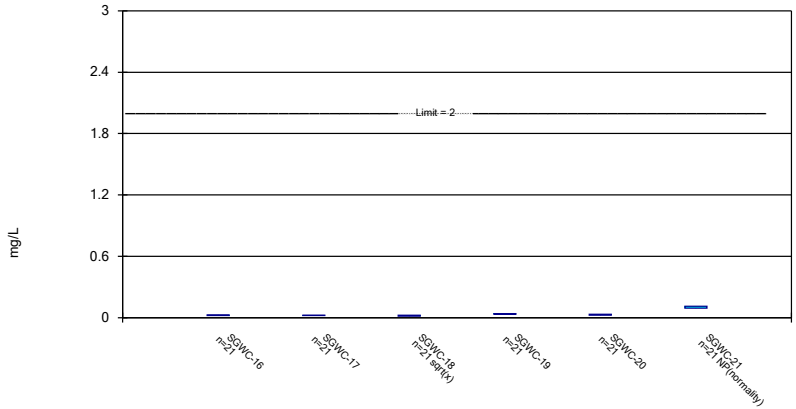


Constituent: Barium Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j 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.

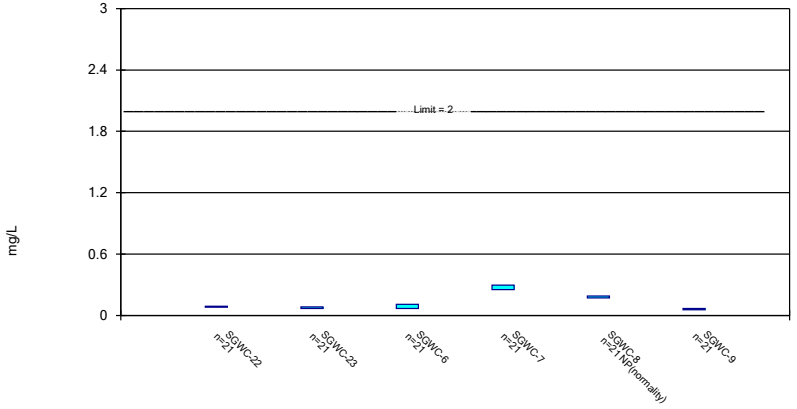


Constituent: Barium Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j 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.

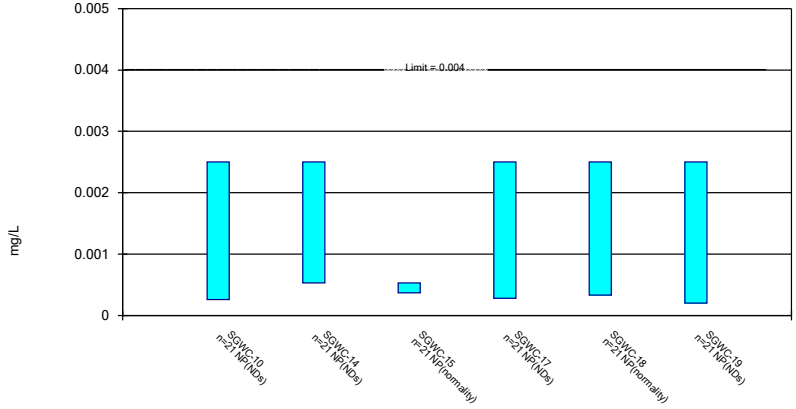


Constituent: Barium Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

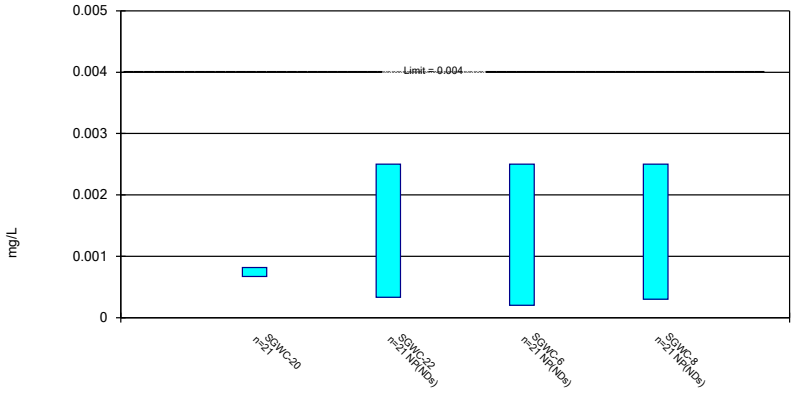
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 4/28/2022 6:15 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

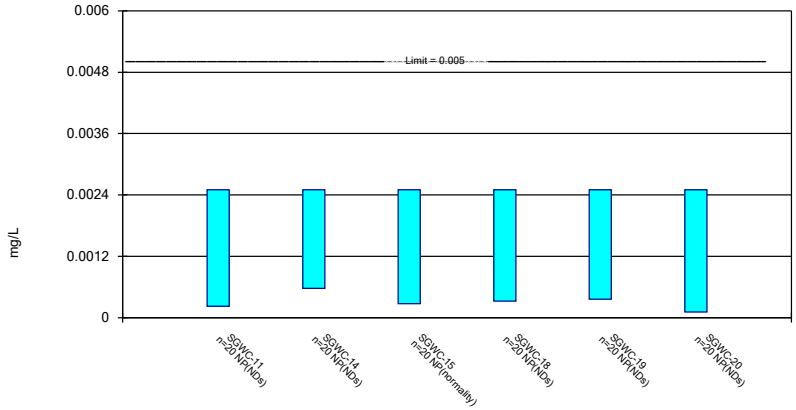
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

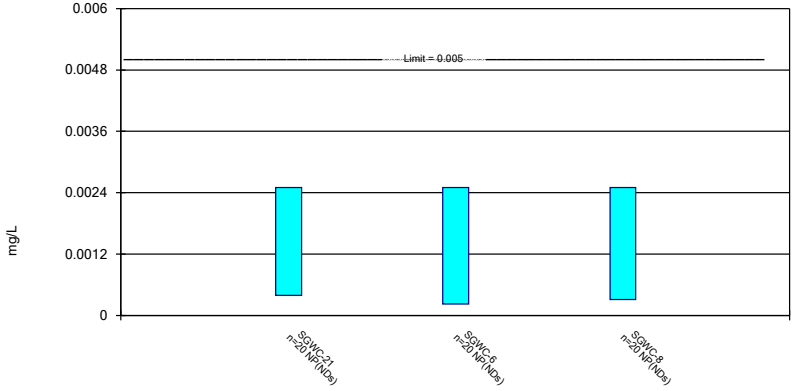
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

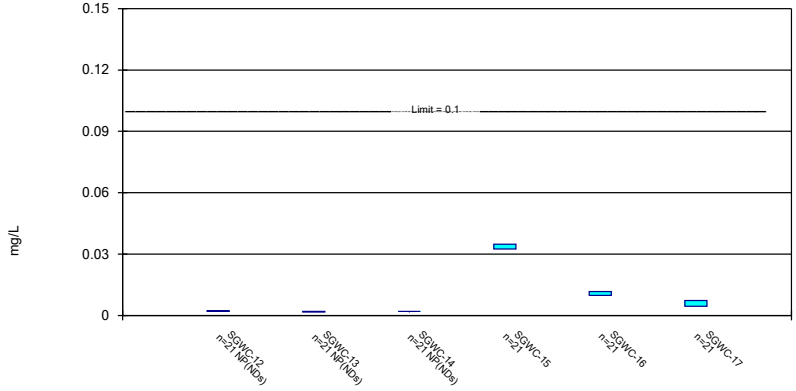
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

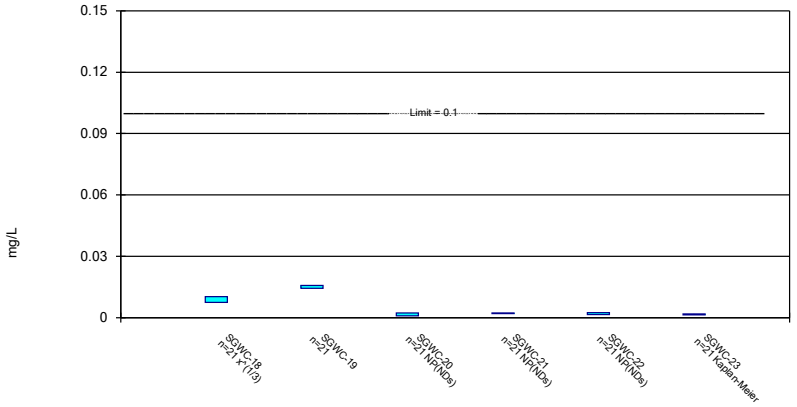
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 4/28/2022 6:16 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.

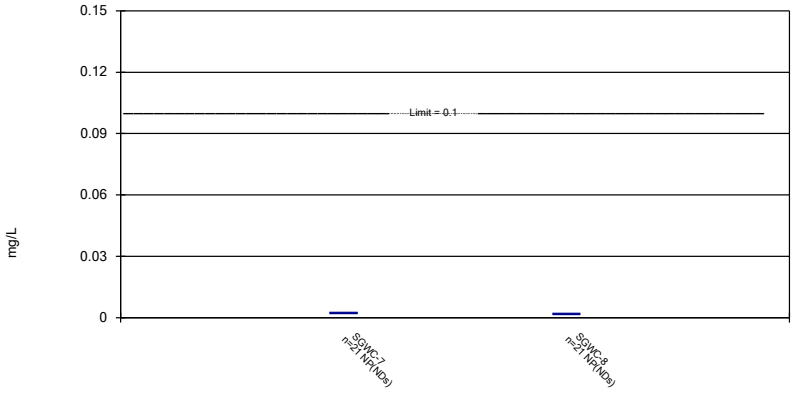


Constituent: Chromium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

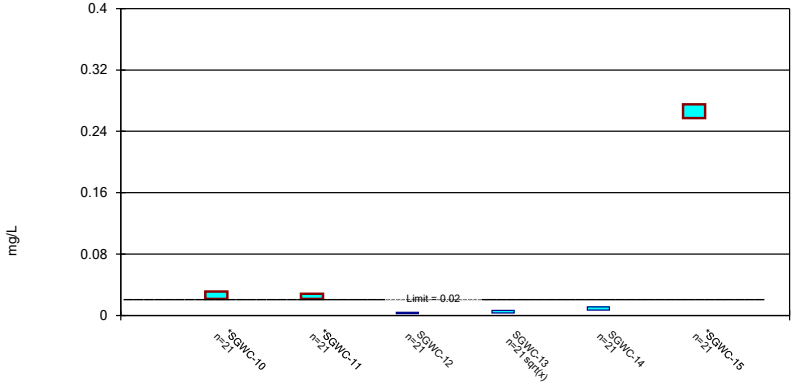


Constituent: Chromium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

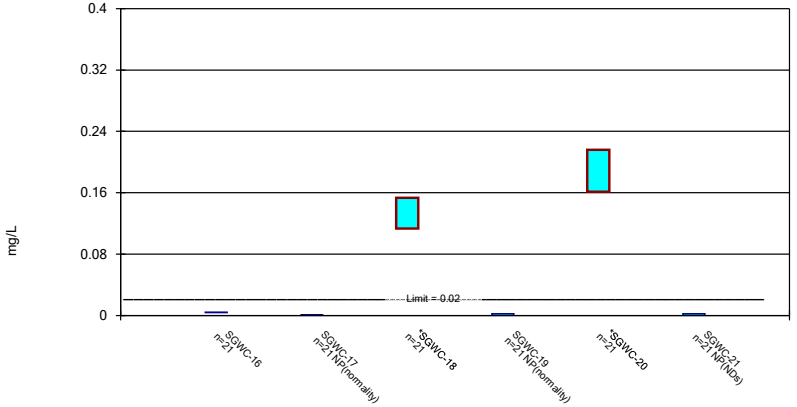


Constituent: Cobalt Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

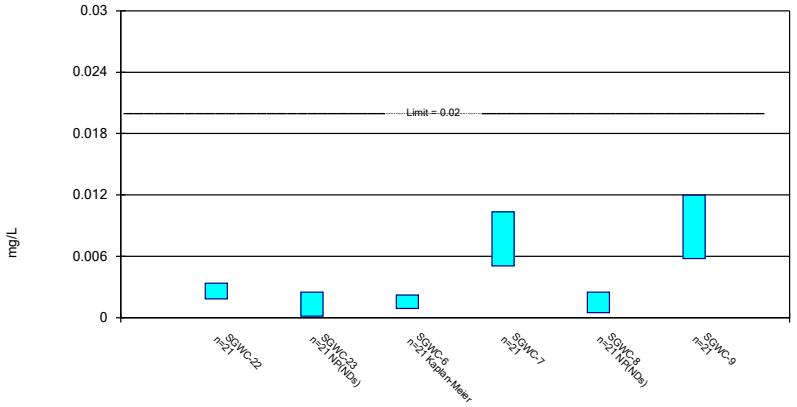
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

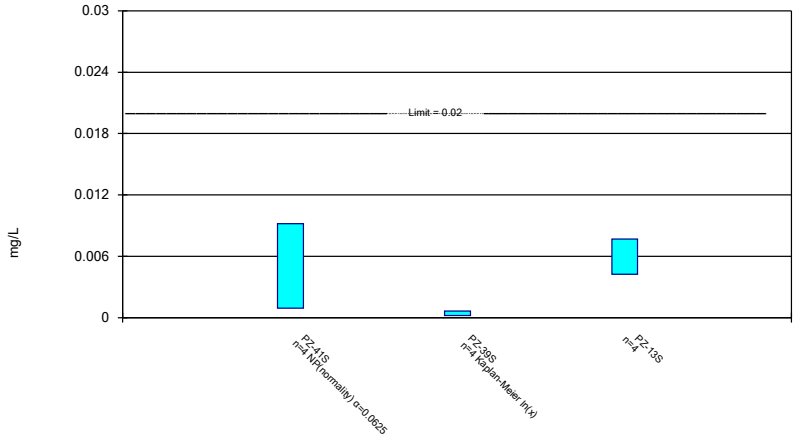
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

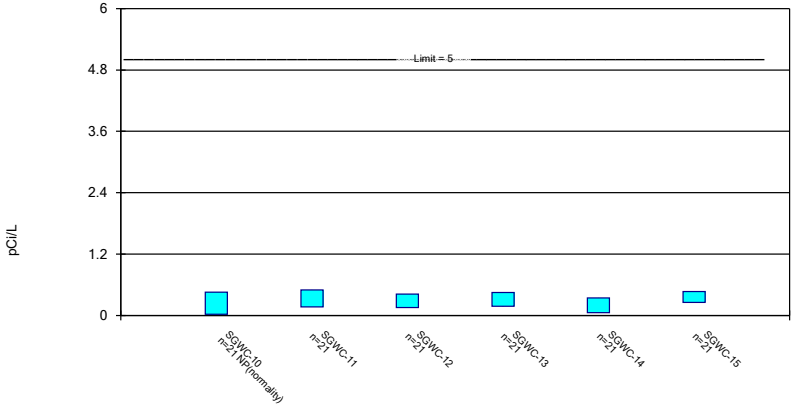
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

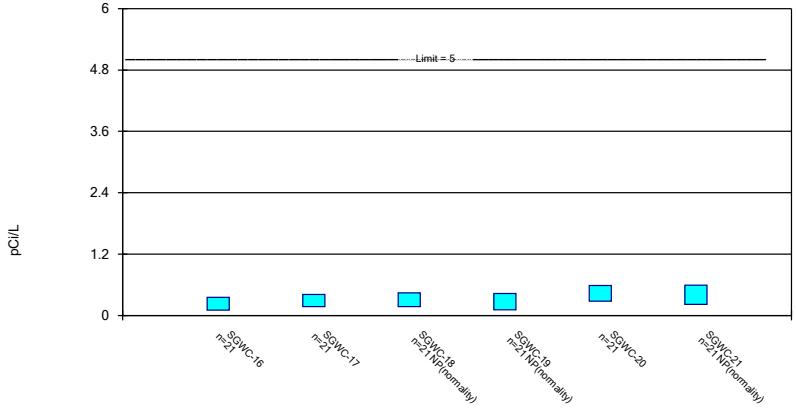
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

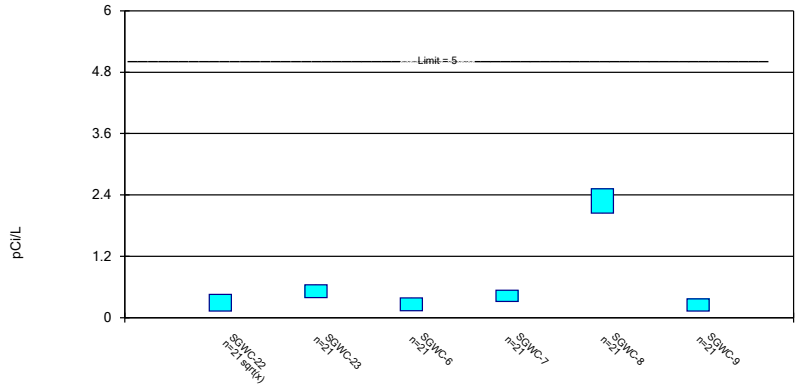
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric Confidence Interval

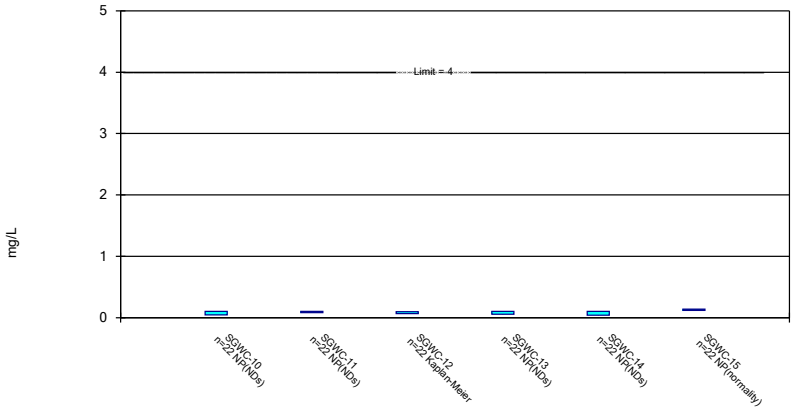
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

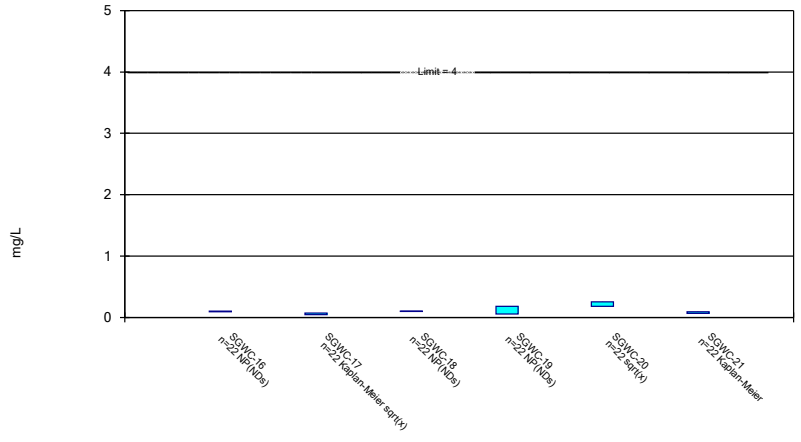
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

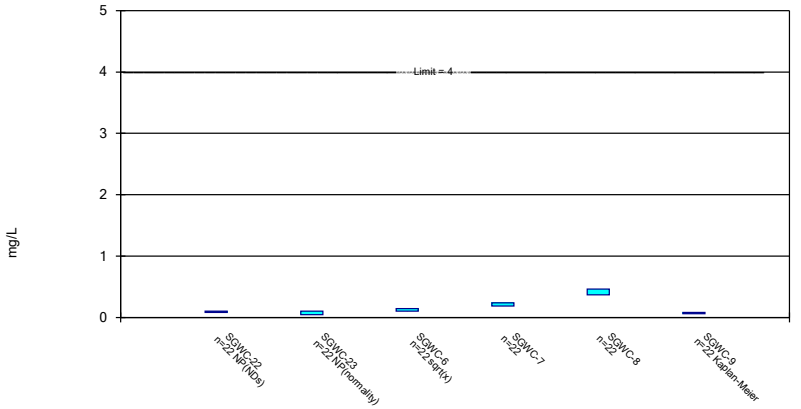
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

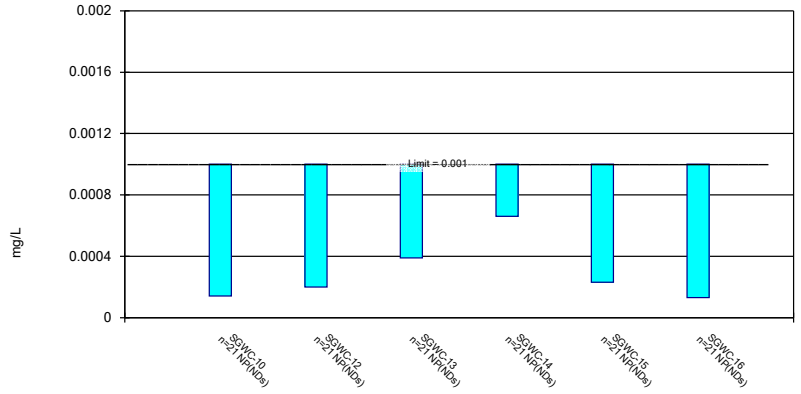
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 4/28/2022 6:16 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.

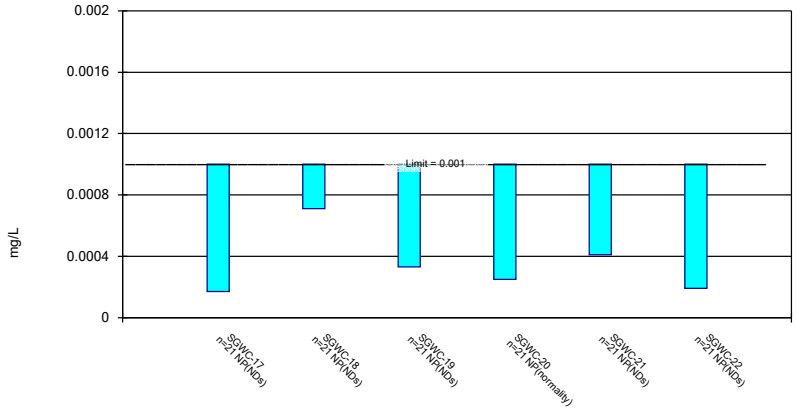


Constituent: Lead Analysis Run 4/28/2022 6:16 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

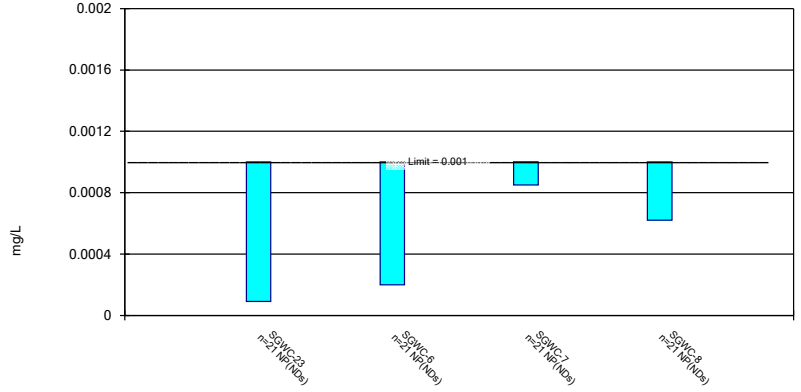


Constituent: Lead Analysis Run 4/28/2022 6:16 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

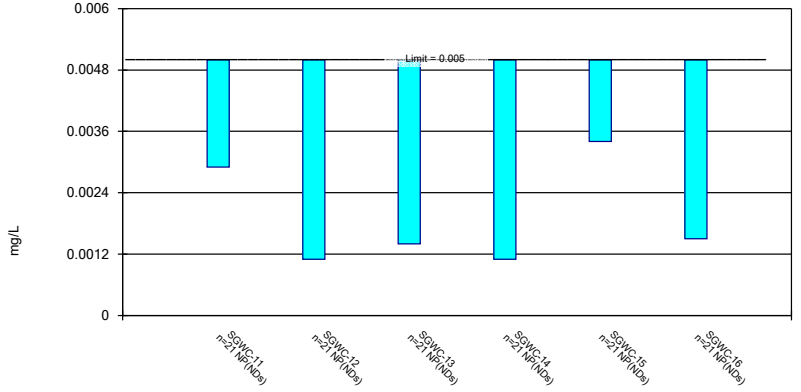


Constituent: Lead Analysis Run 4/28/2022 6:16 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

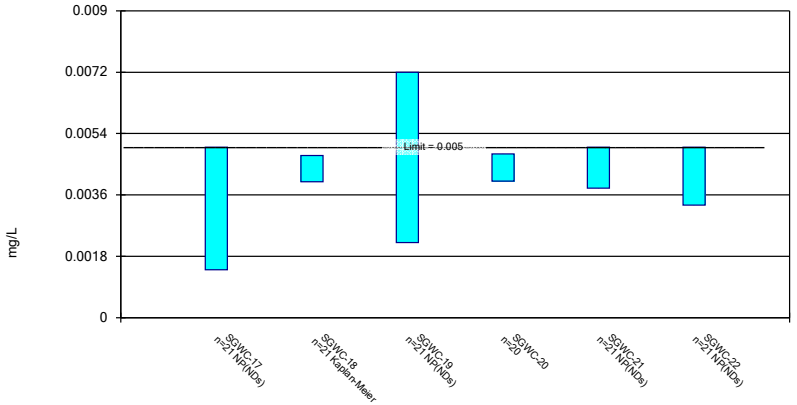


Constituent: Lithium Analysis Run 4/28/2022 6:16 PM View: Appendix IV

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.

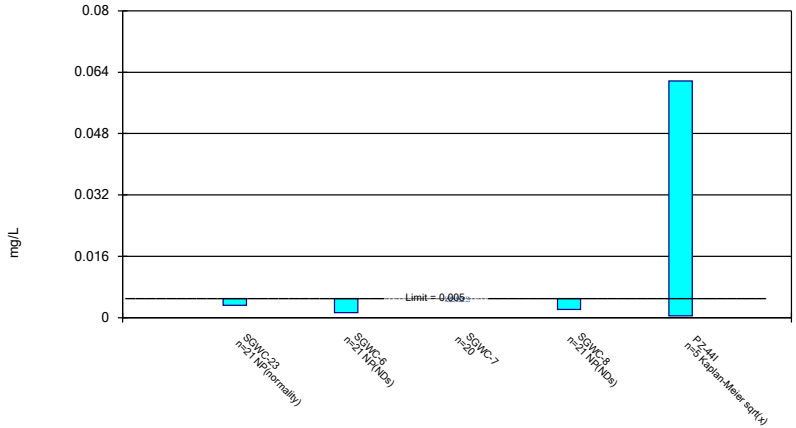


Constituent: Lithium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

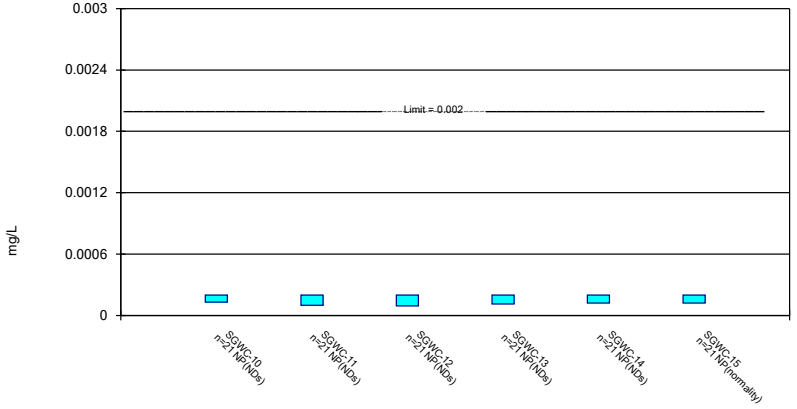


Constituent: Lithium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

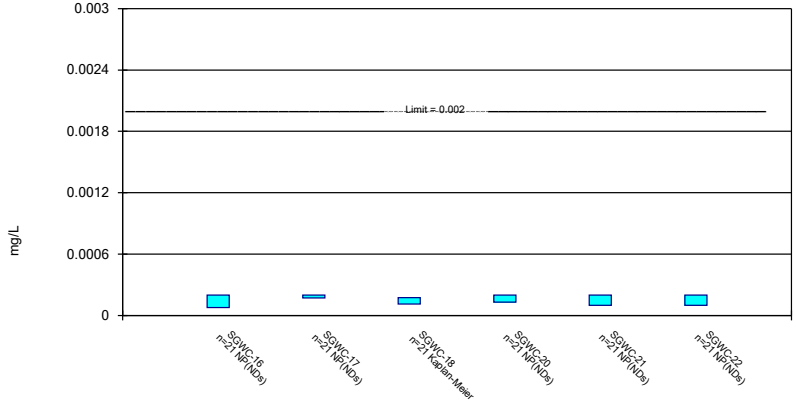


Constituent: Mercury Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

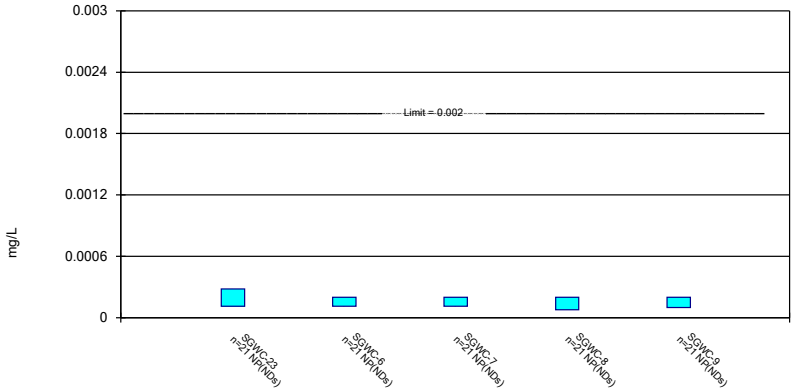
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

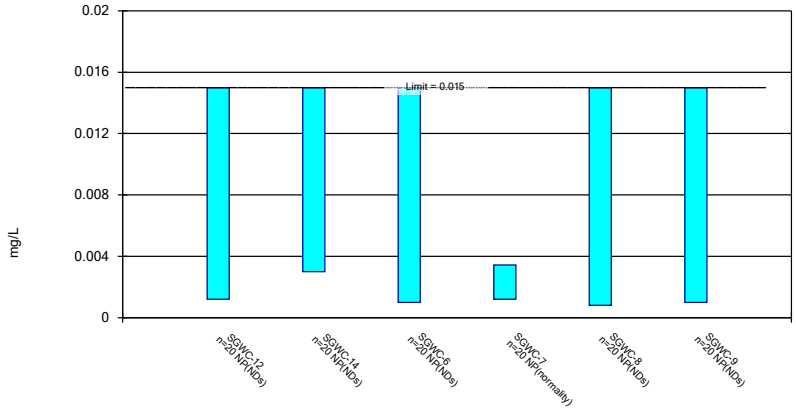
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

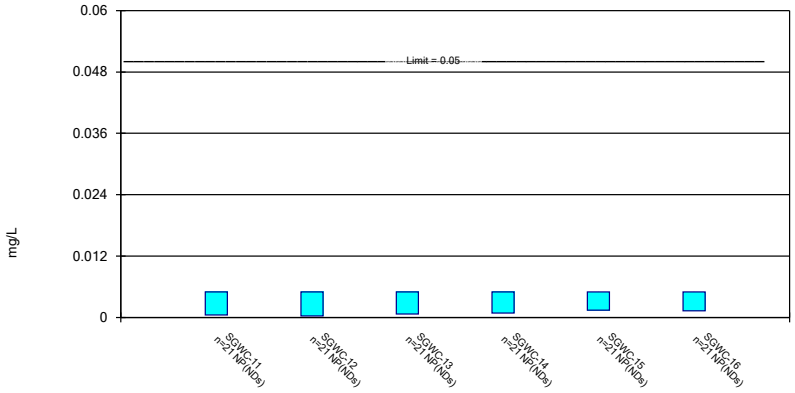
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

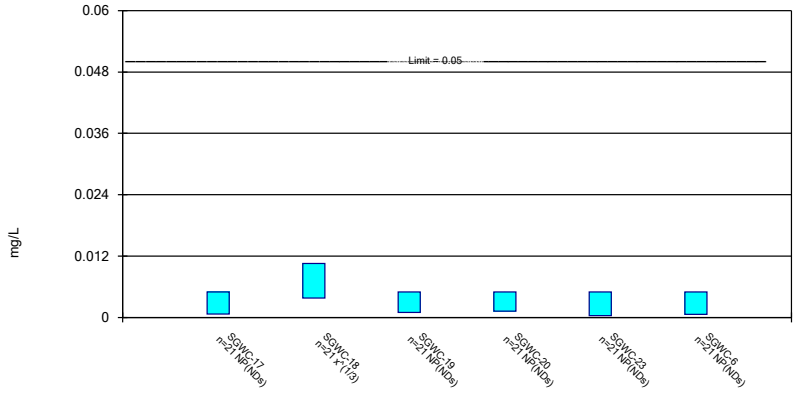
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Parametric and Non-Parametric (NP) Confidence Interval

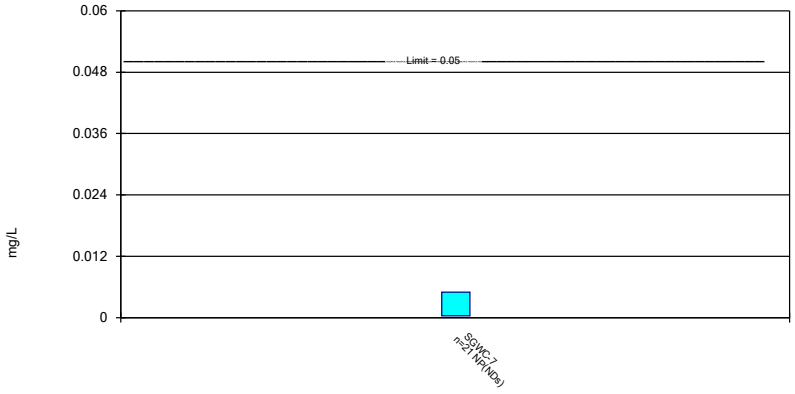
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

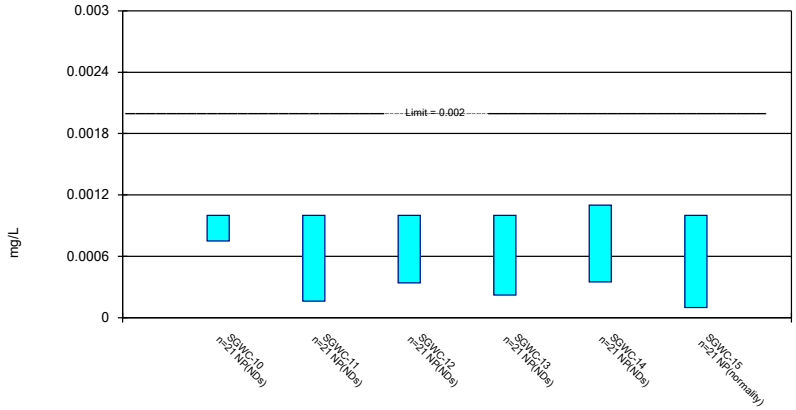
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

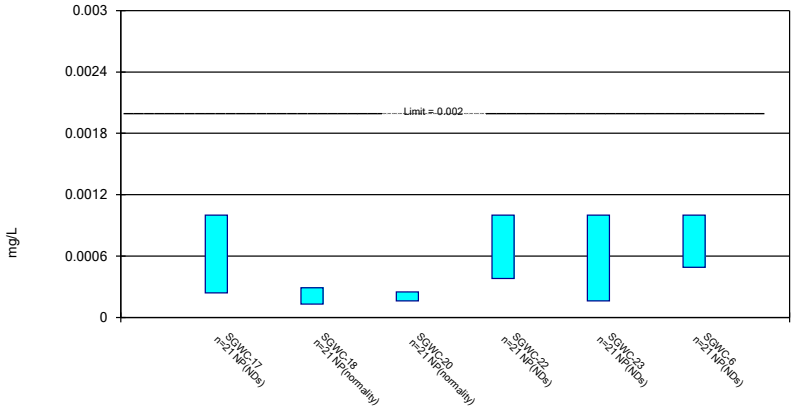
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Non-Parametric Confidence Interval

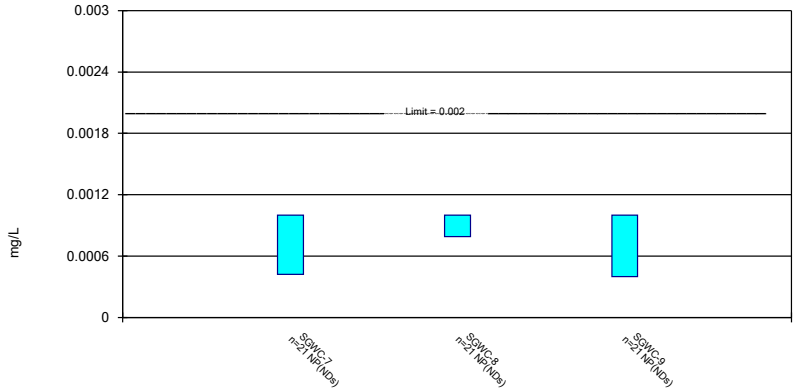
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 4/28/2022 6:16 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 4/28/2022 6:16 PM View: Appendix IV
Plant Scherer Client: Southern Company Data: Scherer AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/28/2022 6:17 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		
2/9/2022				<0.002
2/10/2022			<0.002	
2/11/2022	<0.002	<0.002		
Mean	0.00196	0.001893	0.001943	0.001893
Std. Dev.	0.0001549	0.0004131	0.0002138	0.0004131
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 4/28/2022 6:17 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			
2/10/2022		<0.001	<0.001			
2/11/2022	<0.001			<0.001		0.0021
2/14/2022					<0.001	
Mean	0.0009443	0.001005	0.0008938	0.0009733	0.0009738	0.00127
Std. Dev.	0.000145	9.908E-05	0.0002434	0.0001638	0.0001785	0.0004852
Upper Lim.	0.001	0.0011	0.0011	0.0014	0.0012	0.001461
Lower Lim.	0.00074	0.00076	0.00076	0.00088	0.0007	0.0009087

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/28/2022 6:17 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)	
2/10/2022	<0.001		0.0043			
2/11/2022		<0.001		<0.001	0.00081 (J)	<0.001
Mean	0.0009248	0.0009131	0.002531	0.0009648	0.0008495	0.0009886
Std. Dev.	0.0001929	0.0001784	0.001233	0.0001124	0.0003256	5.237E-05
Upper Lim.	0.001	0.001	0.003211	0.001	0.001	0.001
Lower Lim.	0.00055	0.00075	0.001851	0.00068	0.00051	0.00076

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/28/2022 6:17 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
2/9/2022			<0.001	<0.001		
2/10/2022	0.00031 (J)	<0.001			<0.001	<0.001
Mean	0.0008805	0.0009714	0.0009286	0.0008895	0.0008938	0.0008705
Std. Dev.	0.0002456	9.462E-05	0.0001814	0.0001945	0.0002063	0.0002169
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 4/28/2022 6:17 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			
2/10/2022		0.045	0.057			
2/11/2022	0.025			0.034		0.027
2/14/2022					0.047	
Mean	0.02999	0.04054	0.04579	0.03122	0.0547	0.03493
Std. Dev.	0.004073	0.004115	0.01023	0.006239	0.007264	0.005586
Upper Lim.	0.03223	0.04281	0.05143	0.03466	0.05871	0.03801
Lower Lim.	0.02774	0.03827	0.04014	0.02778	0.0507	0.03185

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/28/2022 6:17 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	
2/10/2022	0.034		0.013			
2/11/2022		0.025		0.032	0.022	0.11
Mean	0.02361	0.0209	0.02006	0.03687	0.0293	0.1
Std. Dev.	0.005776	0.002948	0.007469	0.006307	0.007704	0.01294
Upper Lim.	0.0268	0.02252	0.02357	0.04035	0.03355	0.11
Lower Lim.	0.02042	0.01927	0.0157	0.03339	0.02505	0.091

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/28/2022 6:17 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
2/9/2022			0.13	0.21		
2/10/2022	0.07	0.064			0.18	0.047
Mean	0.0851	0.07608	0.08897	0.2742	0.1817	0.06047
Std. Dev.	0.009499	0.01321	0.03727	0.03857	0.02001	0.01076
Upper Lim.	0.09034	0.08336	0.1095	0.2955	0.19	0.06641
Lower Lim.	0.07986	0.06879	0.06841	0.2529	0.17	0.05453

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/28/2022 6:17 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
2/10/2022					<0.0025	

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-19
2/11/2022	<0.0025		0.0004 (J)	<0.0025		<0.0025
2/14/2022		<0.0025				
Mean	0.002393	0.002297	0.000709	0.002394	0.00137	0.001948
Std. Dev.	0.0004888	0.0006443	0.000752	0.0004844	0.001105	0.001012
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 4/28/2022 6:17 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)			
2/9/2022			<0.0025	
2/10/2022		<0.0025		<0.0025
2/11/2022	0.00074 (J)			
Mean	0.000741	0.002397	0.00239	0.002285
Std. Dev.	0.0001325	0.0004735	0.0005019	0.0006785
Upper Lim.	0.0008141	0.0025	0.0025	0.0025
Lower Lim.	0.0006679	0.00033	0.0002	0.0003

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/28/2022 6:17 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
2/10/2022	<0.0025			<0.0025		
2/11/2022			0.00024 (J)		<0.0025	<0.0025
2/14/2022		<0.0025				

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19	SGWC-20
Mean	0.002386	0.002285	0.001189	0.001822	0.002393	0.00226
Std. Dev.	0.0005098	0.0006646	0.001099	0.001063	0.0004785	0.0007375
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00022	0.00057	0.00027	0.00032	0.00036	0.000108

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/28/2022 6:17 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
2/9/2022		<0.0025	
2/10/2022			<0.0025
2/11/2022	<0.0025		
Mean	0.002394	0.002386	0.00239
Std. Dev.	0.0004718	0.0005098	0.0004897
Upper Lim.	0.0025	0.0025	0.0025
Lower Lim.	0.00039	0.00022	0.00031

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/28/2022 6:17 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					
2/10/2022	<0.002				0.012	
2/11/2022		<0.002		0.032		0.0079
2/14/2022			<0.002			
Mean	0.002014	0.001986	0.001871	0.03369	0.01075	0.005821
Std. Dev.	6.547E-05	6.547E-05	0.000381	0.002147	0.001708	0.002517
Upper Lim.	0.0023	0.002	0.002	0.03487	0.0117	0.00721
Lower Lim.	0.002	0.0017	0.0019	0.0325	0.009812	0.004433

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/28/2022 6:17 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			
2/10/2022	0.01				<0.002	0.0015 (J)
2/11/2022		0.015	<0.002	<0.002		
Mean	0.009039	0.01506	0.001957	0.001929	0.001857	0.00181
Std. Dev.	0.002851	0.00124	0.0002461	0.0002217	0.0004154	0.0003632
Upper Lim.	0.01026	0.01574	0.0022	0.0022	0.0024	0.001743
Lower Lim.	0.007492	0.01437	0.0009	0.002	0.0015	0.00133

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/28/2022 6:17 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
2/9/2022	<0.002	
2/10/2022		<0.002
Mean	0.002029	0.001867
Std. Dev.	0.0001309	0.0004293
Upper Lim.	0.0026	0.0021
Lower Lim.	0.002	0.0015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/28/2022 6:17 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)			
2/10/2022		0.021	0.00079 (J)			
2/11/2022	0.023			0.0015 (J)		0.23
2/14/2022					0.0065	
Mean	0.0264	0.02486	0.003132	0.00521	0.008983	0.2663
Std. Dev.	0.00854	0.005868	0.001346	0.003749	0.003973	0.01604
Upper Lim.	0.03111	0.02809	0.003874	0.006669	0.01117	0.2751
Lower Lim.	0.02168	0.02162	0.002389	0.002958	0.006792	0.2574

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/28/2022 6:17 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	
2/10/2022	0.0049		0.09			
2/11/2022		0.00036 (J)		0.00045 (J)	0.14	<0.0025
Mean	0.003935	0.0008879	0.1334	0.00141	0.1885	0.001605
Std. Dev.	0.0007124	0.000813	0.03648	0.001086	0.04958	0.001169
Upper Lim.	0.004328	0.000845	0.1536	0.0025	0.2159	0.0025
Lower Lim.	0.003542	0.00041	0.1133	0.00016	0.1612	0.00016

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/28/2022 6:17 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)
2/9/2022			<0.0025	0.0024 (J)		
2/10/2022	0.0016 (J)	<0.0025			<0.0025	0.0022 (J)
Mean	0.002604	0.002387	0.002021	0.00771	0.001911	0.008862
Std. Dev.	0.0014	0.0005172	0.001148	0.004796	0.0009915	0.005622
Upper Lim.	0.003376	0.0025	0.002217	0.01036	0.0025	0.01196
Lower Lim.	0.001832	0.00013	0.0008878	0.005064	0.00049	0.005761

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-41S	PZ-39S	PZ-13S
10/17/2018		0.00051 (J)	
10/18/2018	0.0092		
9/18/2020			0.0057
4/2/2021		0.0003 (J)	0.007
4/5/2021	0.0012 (J)		
8/19/2021	0.0013 (J)	0.00028 (J)	
8/20/2021			0.006
2/8/2022			0.0052
2/9/2022	0.00093 (J)	<0.0025	
Mean	0.003158	0.0008975	0.005975
Std. Dev.	0.004031	0.001073	0.0007588
Upper Lim.	0.0092	0.0006428	0.007698
Lower Lim.	0.00093	0.0001905	0.004252

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/28/2022 6:17 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)			
2/10/2022		0.11 (U)	0.279 (U)			
2/11/2022	0.436			0.631		0.5
2/14/2022					0.377 (U)	
Mean	0.2839	0.3314	0.2836	0.3131	0.1982	0.3607
Std. Dev.	0.3518	0.3006	0.2386	0.248	0.2593	0.1946
Upper Lim.	0.452	0.4972	0.4152	0.4499	0.3413	0.4681
Lower Lim.	0.0222	0.1656	0.152	0.1763	0.05517	0.2534

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/28/2022 6:17 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)	
2/10/2022	0.595		0.244 (U)			
2/11/2022		0.233 (U)		0.456 (U)	0.259 (U)	0.689
Mean	0.229	0.29	0.3824	0.2823	0.4315	0.44
Std. Dev.	0.2288	0.2141	0.3463	0.3493	0.2807	0.3654
Upper Lim.	0.3552	0.4081	0.439	0.431	0.5863	0.593
Lower Lim.	0.1028	0.1719	0.17	0.11	0.2766	0.216

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/28/2022 6:17 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)
2/9/2022			0.145 (U)	0.659		
2/10/2022	0.346 (U)	0.204 (U)			2.08	0.179 (U)
Mean	0.3456	0.5165	0.2591	0.4282	2.281	0.2446
Std. Dev.	0.4132	0.2301	0.2263	0.1987	0.4295	0.2156
Upper Lim.	0.4559	0.6434	0.384	0.5378	2.518	0.3635
Lower Lim.	0.13	0.3896	0.1343	0.3186	2.044	0.1256

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 6:17 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)			
2/10/2022		<0.1	0.06 (J)			
2/11/2022	0.03 (J)			0.045 (J)		0.14
2/14/2022					0.035 (J)	
Mean	0.08759	0.09414	0.08882	0.08645	0.07868	0.14
Std. Dev.	0.02729	0.01676	0.03134	0.03009	0.03209	0.05403
Upper Lim.	0.1	0.1	0.09725	0.1	0.1	0.14
Lower Lim.	0.047	0.08	0.06303	0.053	0.04	0.12

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 6:17 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	
2/10/2022	<0.1		0.039 (J)			
2/11/2022		0.064 (J)		<0.1	0.14	0.092 (J)
Mean	0.0865	0.07905	0.09215	0.09771	0.219	0.09114
Std. Dev.	0.02858	0.0327	0.03088	0.02741	0.07267	0.02398
Upper Lim.	0.1	0.07245	0.1	0.18	0.2514	0.09342
Lower Lim.	0.09	0.04562	0.099	0.057	0.1798	0.06771

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 4/28/2022 6:17 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)
2/9/2022			0.19	0.27		
2/10/2022	<0.1	0.066 (J)			0.44	0.098 (J)
Mean	0.08868	0.07655	0.1247	0.2098	0.4137	0.08414
Std. Dev.	0.025	0.02694	0.03988	0.04702	0.08622	0.02351
Upper Lim.	0.1	0.1	0.1429	0.235	0.46	0.08327
Lower Lim.	0.1	0.046	0.1026	0.1845	0.3674	0.05916

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-10	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<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
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	<0.001		
10/18/2016					<0.001	<0.001
12/6/2016	<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	
2/16/2017						<0.001
4/12/2017	<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
3/27/2018	<0.001	<0.001	0.00039 (J)	<0.001	<0.001	<0.001
6/6/2018	<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	
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	<0.001	
4/2/2019						<0.001
9/16/2019		<0.001				
9/17/2019	0.00013 (J)		<0.001	0.00016 (J)	<0.001	<0.001
2/19/2020	0.00014 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/25/2020	<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			
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
3/31/2021	<0.001				<0.001	
4/1/2021						<0.001
4/6/2021				<0.001		
4/7/2021		<0.001	<0.001			
8/19/2021	<0.001		<0.001	<0.001	<0.001	<0.001
8/20/2021		<0.001				
2/10/2022		0.0002 (J)				<0.001
2/11/2022	<0.001		<0.001		<0.001	
2/14/2022				<0.001		
Mean	0.0008762	0.0009619	0.000971	0.0009438	0.0009633	0.0009586
Std. Dev.	0.0003108	0.0001746	0.0001331	0.0001943	0.000168	0.0001898
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00014	0.0002	0.00039	0.00066	0.00023	0.00013

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/28/2022 6:17 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	<0.001			<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
6/30/2016		<0.001				
8/18/2016	<0.001					
8/19/2016						<0.001
8/22/2016		<0.001	<0.001	<0.001	<0.001	
10/18/2016			<0.001	<0.001	<0.001	<0.001
10/19/2016	<0.001	<0.001				
12/7/2016	<0.001	<0.001			<0.001	<0.001
12/8/2016			<0.001	<0.001		
2/15/2017	<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
6/27/2017	<0.001					
6/28/2017		<0.001	<0.001	0.00041 (J)	<0.001	<0.001
3/27/2018	<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
6/8/2018		<0.001	<0.001			
10/8/2018	<0.001				<0.001	<0.001
10/9/2018			<0.001			
10/18/2018		<0.001		<0.001		
2/19/2019						<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
9/17/2019	<0.001	<0.001	<0.001	0.00025 (J)	<0.001	
9/18/2019						<0.001
2/18/2020				0.00025 (J)	<0.001	0.00018 (J)
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
3/26/2020		<0.001				
9/15/2020	<0.001	<0.001	<0.001	0.00017 (J)	0.00022 (J)	0.00019 (J)
2/10/2021	0.00017 (J)	0.00029 (J)	<0.001	0.0003 (J)	0.00016 (J)	0.00016 (J)
3/30/2021		<0.001	<0.001	0.00018 (J)	0.0002 (J)	
3/31/2021						0.00015 (J)
4/1/2021	<0.001					
8/18/2021	<0.001	0.00071 (J)			0.00041 (J)	<0.001
8/19/2021			<0.001	0.00034 (J)		
2/10/2022		<0.001				<0.001
2/11/2022	<0.001		0.00033 (J)	0.00021 (J)	<0.001	
Mean	0.0009605	0.0009524	0.0009681	0.0005933	0.0008133	0.0008419
Std. Dev.	0.0001811	0.0001644	0.0001462	0.0003681	0.0003463	0.000334
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00017	0.00071	0.00033	0.00025	0.00041	0.00019

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-6	SGWC-7	SGWC-8
5/11/2016		<0.001	<0.001	<0.001
5/12/2016	<0.001			
6/27/2016		<0.001	<0.001	<0.001
6/29/2016	9E-05 (J)			
8/17/2016		<0.001	0.00085 (J)	<0.001
8/19/2016	<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
2/15/2017	<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
6/28/2017	<0.001			
3/27/2018	<0.001	<0.001	<0.001	<0.001
6/6/2018		<0.001	<0.001	<0.001
6/7/2018	<0.001			
10/8/2018	<0.001	<0.001		
10/9/2018			<0.001	<0.001
2/19/2019	<0.001			
2/20/2019		<0.001	<0.001	<0.001
4/1/2019			<0.001	<0.001
4/2/2019	<0.001	<0.001		
9/16/2019		<0.001		
9/17/2019			<0.001	<0.001
9/18/2019	<0.001			
2/18/2020	<0.001	<0.001	<0.001	<0.001
3/24/2020	<0.001			
3/25/2020		0.0002 (J)		0.00029 (J)
3/26/2020			<0.001	
9/14/2020		<0.001	<0.001	<0.001
9/15/2020	<0.001			
2/9/2021		<0.001	0.00014 (J)	0.00062 (J)
2/10/2021	<0.001			
3/31/2021	<0.001			
4/1/2021		<0.001	0.00015 (J)	<0.001
8/18/2021	<0.001	<0.001	<0.001	<0.001
2/9/2022		<0.001	<0.001	
2/10/2022	<0.001			<0.001
Mean	0.0009567	0.0009619	0.0009114	0.0009481
Std. Dev.	0.0001986	0.0001746	0.0002569	0.000172
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	0.0002	0.00085	0.00062

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/28/2022 6:17 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				
2/10/2022	0.0022 (J)	<0.005				<0.005
2/11/2022			<0.005		0.0027 (J)	
2/14/2022				<0.005		
Mean	0.004095	0.004814	0.004829	0.004814	0.004162	0.004833
Std. Dev.	0.001374	0.000851	0.0007856	0.000851	0.0009729	0.0007638
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0029	0.0011	0.0014	0.0011	0.0034	0.0015

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/28/2022 6:17 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)		
2/10/2022		0.0039 (J)				<0.005
2/11/2022	<0.005		0.0072	0.0037 (J)	0.0011 (J)	
Mean	0.004829	0.004662	0.004833	0.004405	0.004324	0.004619
Std. Dev.	0.0007856	0.0006569	0.001013	0.0007007	0.001335	0.00102
Upper Lim.	0.005	0.004753	0.0072	0.004803	0.005	0.005
Lower Lim.	0.0014	0.00399	0.0022	0.004007	0.0038	0.0033

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	SGWC-6	SGWC-7	SGWC-8	PZ-44I
5/11/2016		<0.005	<0.05 (O)	<0.005	
5/12/2016	<0.005				
6/27/2016		<0.005	0.0031 (J)	0.0013 (J)	
6/29/2016	0.0027 (J)				
8/17/2016		<0.005	0.0046 (J)	<0.005	
8/19/2016	<0.005				
10/17/2016		<0.005		<0.005	
10/18/2016	0.0032 (J)		0.0036 (J)		
12/6/2016		<0.005	0.0043 (J)	<0.005	
12/7/2016	0.0043 (J)				
2/14/2017		<0.005	0.0043 (J)	<0.005	
2/15/2017	<0.005				
4/12/2017		<0.005	0.0051	<0.005	
4/13/2017	0.0036 (J)				
6/27/2017		<0.005	0.0033 (J)	<0.005	
6/28/2017	0.0032 (J)				
3/27/2018	0.005	<0.005	0.0061	0.0023 (J)	
6/6/2018		<0.005	0.004 (J)	0.0018 (J)	
6/7/2018	0.0027 (J)				
10/8/2018	0.0035 (J)	<0.005			
10/9/2018			0.0053	0.002 (J)	
10/16/2018					0.069
2/19/2019	<0.005				
2/20/2019		<0.005	0.006	<0.005	
4/1/2019			0.0058	0.0021 (J)	
4/2/2019	0.0041 (J)	<0.005			
9/16/2019		<0.005			
9/17/2019			0.0049	<0.005	
9/18/2019	0.0043				
2/18/2020	<0.005	<0.005	0.0052	<0.005	
3/2/2020					<0.005
3/24/2020	<0.005				
3/25/2020		<0.005		<0.005	
3/26/2020			0.006		
9/14/2020		<0.005	0.0051	<0.005	
9/15/2020	<0.005				
2/9/2021		<0.005	0.0052	<0.005	
2/10/2021	<0.005				
3/31/2021	<0.005				
4/1/2021		<0.005	0.0053	<0.005	
4/7/2021					0.02
8/18/2021	<0.005	<0.005	0.0034 (J)	<0.005	0.0095
2/9/2022		0.0013 (J)	0.0048 (J)		0.01
2/10/2022	0.0029 (J)			0.0015 (J)	
Mean	0.004262	0.004824	0.00477	0.004095	0.0227
Std. Dev.	0.0008953	0.0008074	0.0009257	0.001478	0.02646
Upper Lim.	0.005	0.005	0.005296	0.005	0.06169
Lower Lim.	0.0032	0.0013	0.004244	0.0021	0.0004218

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/28/2022 6:17 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			
2/10/2022		<0.0002	<0.0002			
2/11/2022	<0.0002			<0.0002		<0.0002
2/14/2022					<0.0002	
Mean	0.0001967	0.0001952	0.0001949	0.0001957	0.0001861	0.0001579
Std. Dev.	1.528E-05	2.182E-05	2.335E-05	1.964E-05	3.513E-05	4.451E-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	0.00012

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/28/2022 6:17 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		
2/10/2022	<0.0002		<0.0002			<0.0002
2/11/2022		<0.0002		<0.0002	<0.0002	
Mean	0.0001941	0.00019	0.0001789	0.000185	0.0001952	0.0001952
Std. Dev.	2.706E-05	2.739E-05	4.61E-05	3.888E-05	2.182E-05	2.204E-05
Upper Lim.	0.0002	0.0002	0.0001726	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 4/28/2022 6:17 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
2/9/2022		<0.0002	<0.0002		
2/10/2022	<0.0002			<0.0002	<0.0002
Mean	0.0001891	0.0001957	0.0001957	0.0001941	0.0001952
Std. Dev.	4.286E-05	1.964E-05	1.964E-05	2.706E-05	2.182E-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 4/28/2022 6:17 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					
2/9/2022			<0.015	0.0012 (J)		
2/10/2022	<0.015				<0.015	<0.015
2/14/2022		<0.015				
Mean	0.01361	0.01369	0.01358	0.004441	0.01429	0.008708
Std. Dev.	0.004263	0.004046	0.004357	0.005468	0.003175	0.007143
Upper Lim.	0.015	0.015	0.015	0.00343	0.015	0.015
Lower Lim.	0.0012	0.003	0.00099	0.0012	0.0008	0.00099

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/28/2022 6:17 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				
2/10/2022	<0.005	<0.005				0.00092 (J)
2/11/2022			<0.005		<0.005	
2/14/2022				<0.005		
Mean	0.004784	0.004777	0.004569	0.004595	0.004148	0.003736
Std. Dev.	0.0009907	0.001023	0.001364	0.001279	0.002581	0.001851
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	0.0013

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/28/2022 6:17 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 4/28/2022 6:17 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		
2/9/2022						<0.005
2/10/2022		0.0021 (J)			<0.005	
2/11/2022	<0.005		<0.005	<0.005		
Mean	0.004341	0.00849	0.004385	0.003969	0.004324	0.004344
Std. Dev.	0.001656	0.008078	0.001545	0.001826	0.001697	0.001646
Upper Lim.	0.005	0.01053	0.005	0.005	0.005	0.005
Lower Lim.	0.00064	0.003793	0.00096	0.0012	0.00033	0.00057

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/28/2022 6:17 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
2/9/2022	<0.005
Mean	0.004778
Std. Dev.	0.001017
Upper Lim.	0.005
Lower Lim.	0.00034

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/28/2022 6:17 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			
2/10/2022		<0.001	<0.001			
2/11/2022	<0.001			<0.001		<0.001
2/14/2022					<0.001	
Mean	0.000909	0.0009195	0.0009319	0.0009629	0.0008952	0.0005644
Std. Dev.	0.0002526	0.0002542	0.0002158	0.0001702	0.0002796	0.0004342
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 4/28/2022 6:17 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 4/28/2022 6:17 PM View: Appendix IV

Plant Scherer Client: Southern Company Data: Scherer AP

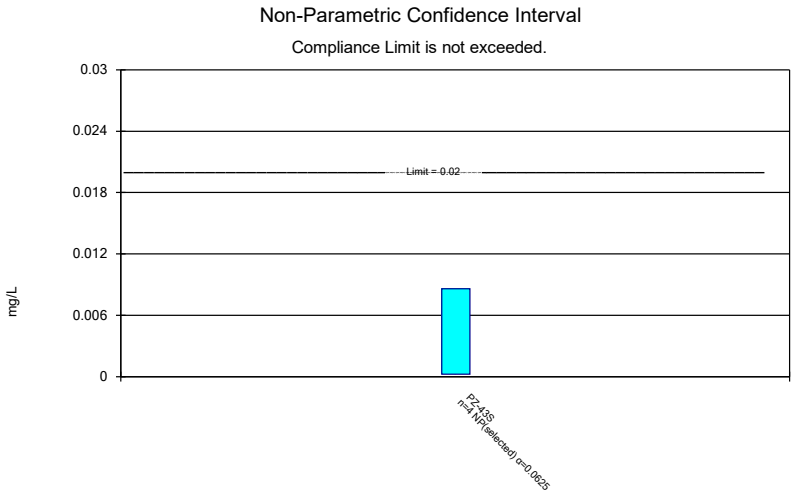
	SGWC-17	SGWC-18	SGWC-20	SGWC-22	SGWC-23	SGWC-6
2/9/2022						<0.001
2/10/2022		<0.001		<0.001	<0.001	
2/11/2022	<0.001		<0.001			
Mean	0.0009638	0.0003055	0.0002629	0.0009705	0.00096	0.0008652
Std. Dev.	0.0001658	0.0002786	0.0002509	0.0001353	0.0001833	0.0002897
Upper Lim.	0.001	0.00029	0.00025	0.001	0.001	0.001
Lower Lim.	0.00024	0.00013	0.00016	0.00038	0.00016	0.00049

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/28/2022 6:17 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)
2/9/2022	<0.001		
2/10/2022		<0.001	<0.001
Mean	0.0009352	0.0008776	0.0009367
Std. Dev.	0.000207	0.0002817	0.0002011
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00042	0.00079	0.0004



Normality testing disabled.

Constituent: Cobalt Analysis Run 4/28/2022 6:16 PM View: Appendix IV - Non-Parametric

Plant Scherer Client: Southern Company Data: Scherer AP

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/28/2022 6:17 PM View: Appendix IV - Non-Parametric
Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-43S
10/18/2018	0.0086
4/7/2021	0.00097 (J)
8/18/2021	0.00025 (J)
2/9/2022	<0.0025
Mean	0.00308
Std. Dev.	0.003798
Upper Lim.	0.0086
Lower Lim.	0.00025

FIGURE I.

Appendix IV Trend Test - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003192**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.00225**	**-157**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.003019**	**-166**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.02244**	**-121**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix IV Trend Test - All Results

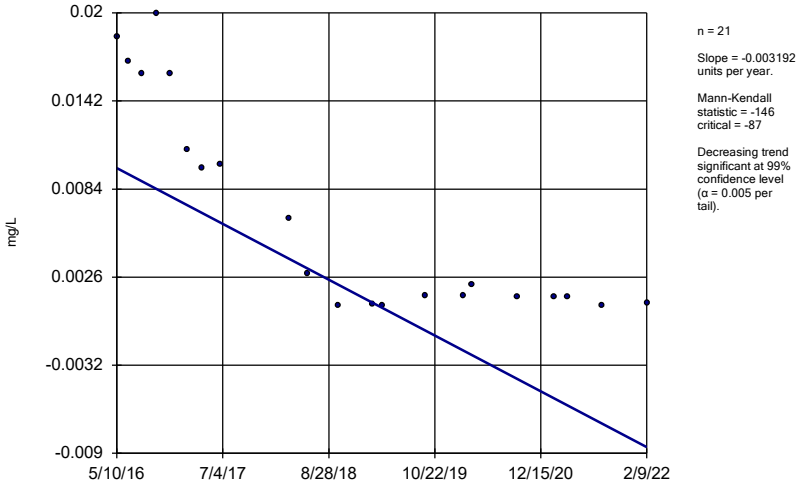
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/25/2022, 2:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.003192**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	1	87	No	21	90.48	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	-31	-87	No	21	61.9	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.00225**	**-157**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWA-3 (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	5	87	No	21	90.48	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	87	No	21	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-10	0	5	87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-11**	**-0.003019**	**-166**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Cobalt (mg/L)	SGWC-15	0	-15	-87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	SGWC-18	-0.00332	-27	-87	No	21	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	**SGWC-20**	**-0.02244**	**-121**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-1 (bg)



n = 21

Slope = -0.003192 units per year.

Mann-Kendall statistic = -146
critical = -87

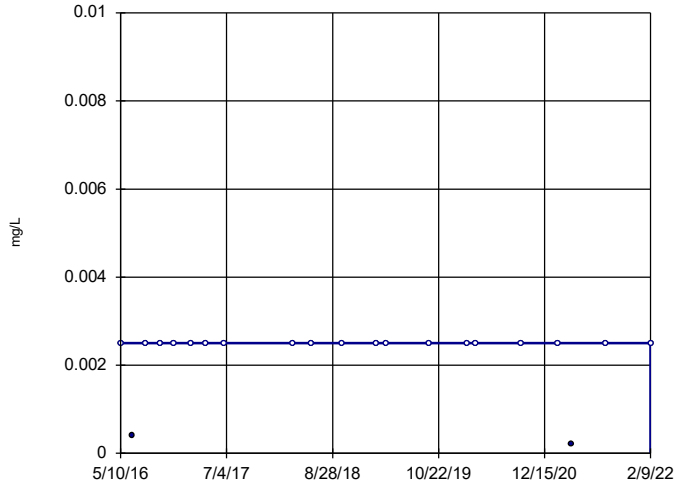
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 87

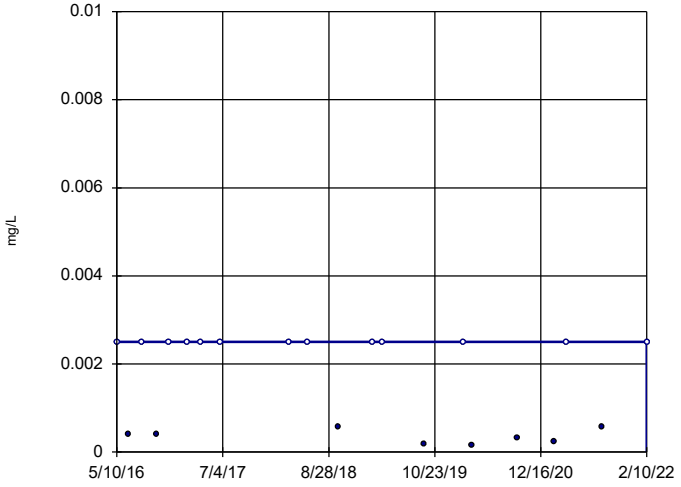
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -31
critical = -87

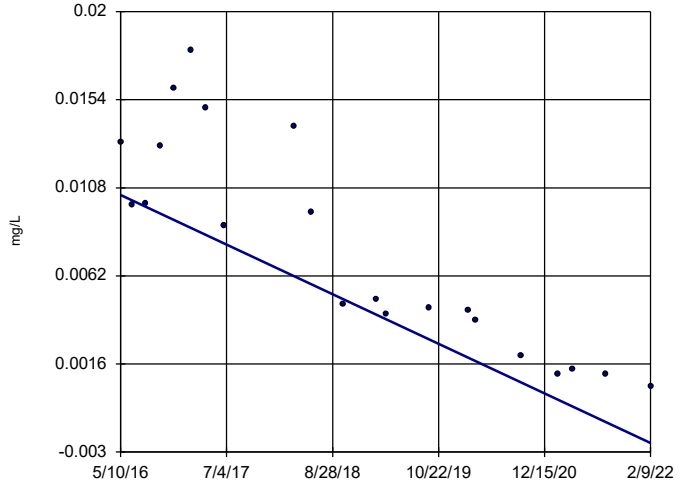
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-25 (bg)



n = 21

Slope = -0.00225 units per year.

Mann-Kendall statistic = -157
critical = -87

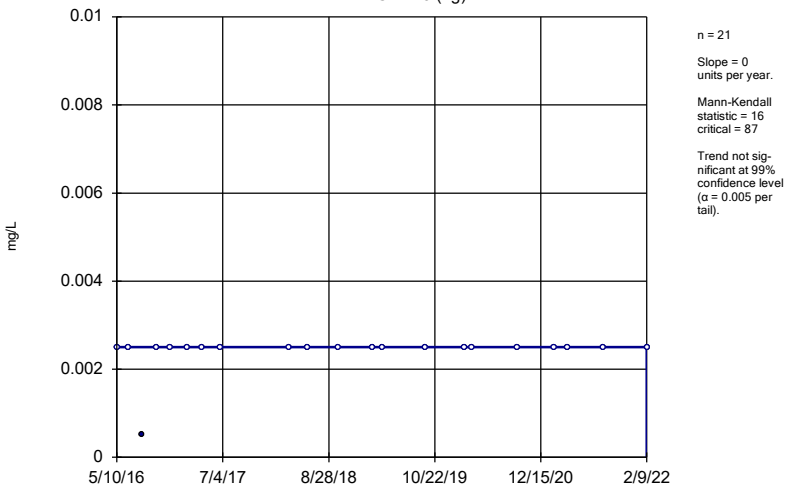
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by 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 = 16
critical = 87

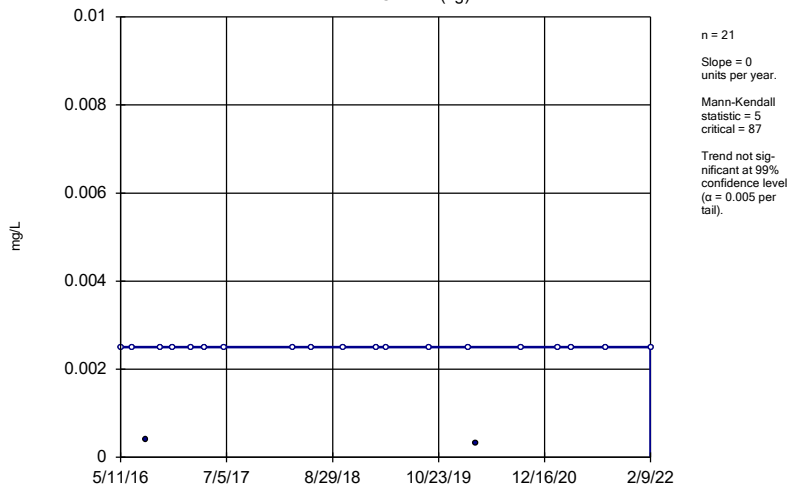
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 87

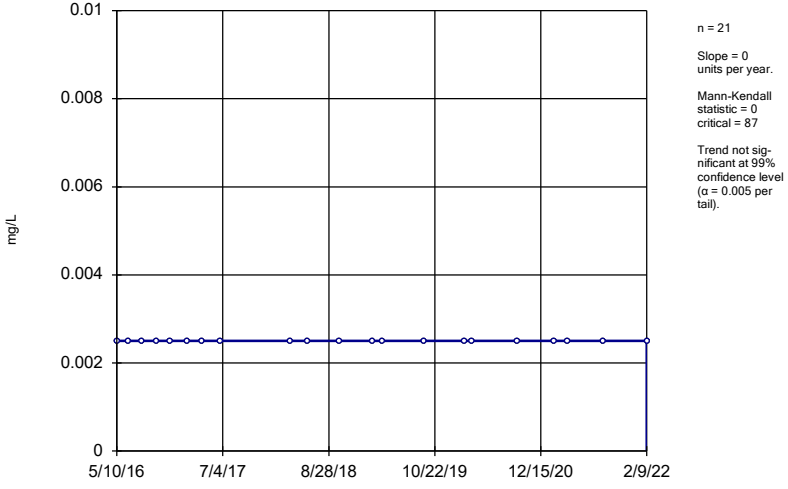
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by 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 = 0
critical = 87

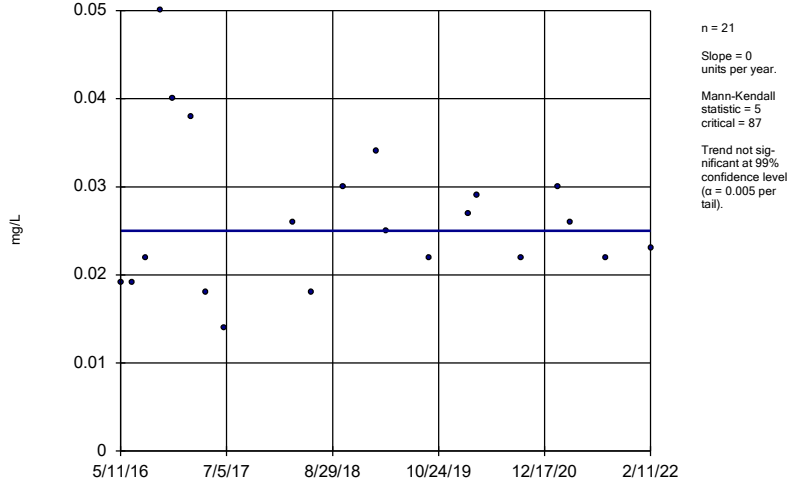
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-10



n = 21

Slope = 0 units per year.

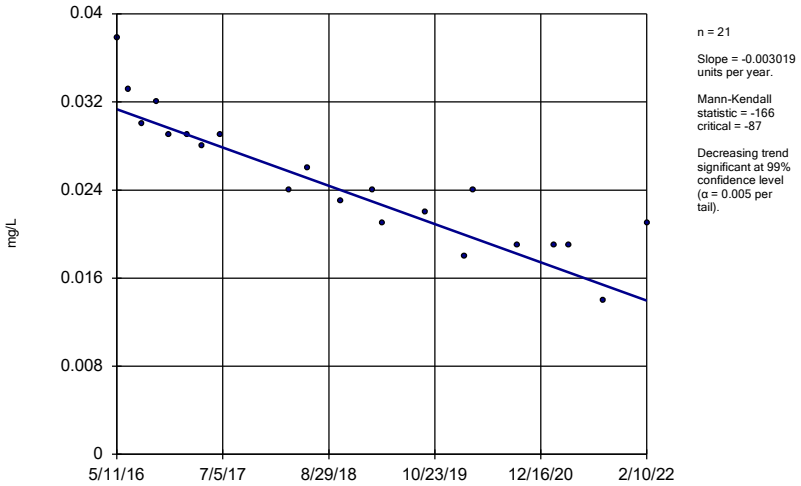
Mann-Kendall statistic = 5
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sen's Slope Estimator

SGWC-11



n = 21

Slope = -0.003019 units per year.

Mann-Kendall statistic = -166
critical = -87

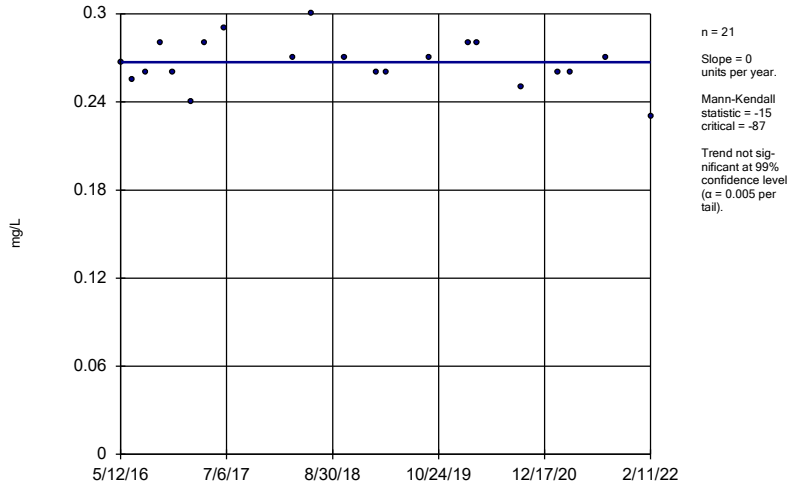
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -87

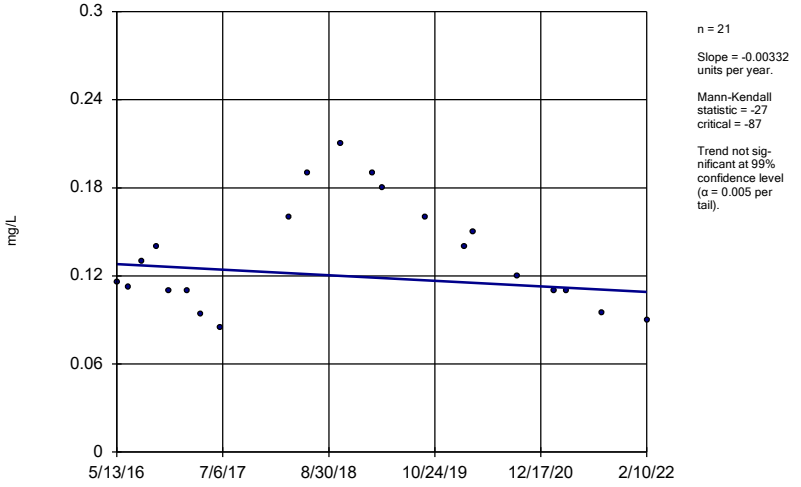
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-18



n = 21

Slope = -0.00332 units per year.

Mann-Kendall statistic = -27
critical = -87

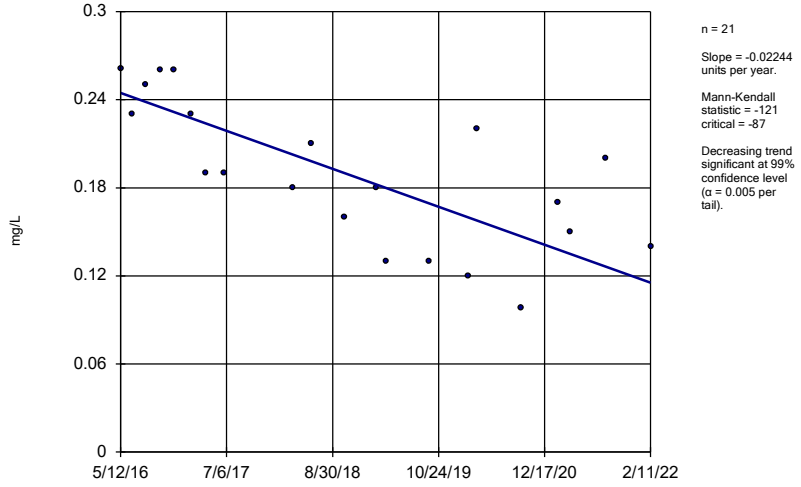
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.9.6.32g Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-20



n = 21

Slope = -0.02244 units per year.

Mann-Kendall statistic = -121
critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Cobalt Analysis Run 4/25/2022 2:42 PM View: Appendix IV Trend Test
Plant Scherer Client: Southern Company Data: Scherer AP

APPENDIX F

Remedy Selection and Design Progress Report

REPORT

2022 Semi-Annual Remedy Selection and Design Progress Report

Georgia Power Company, Plant Scherer Ash Pond 1

Submitted to:

Georgia Power

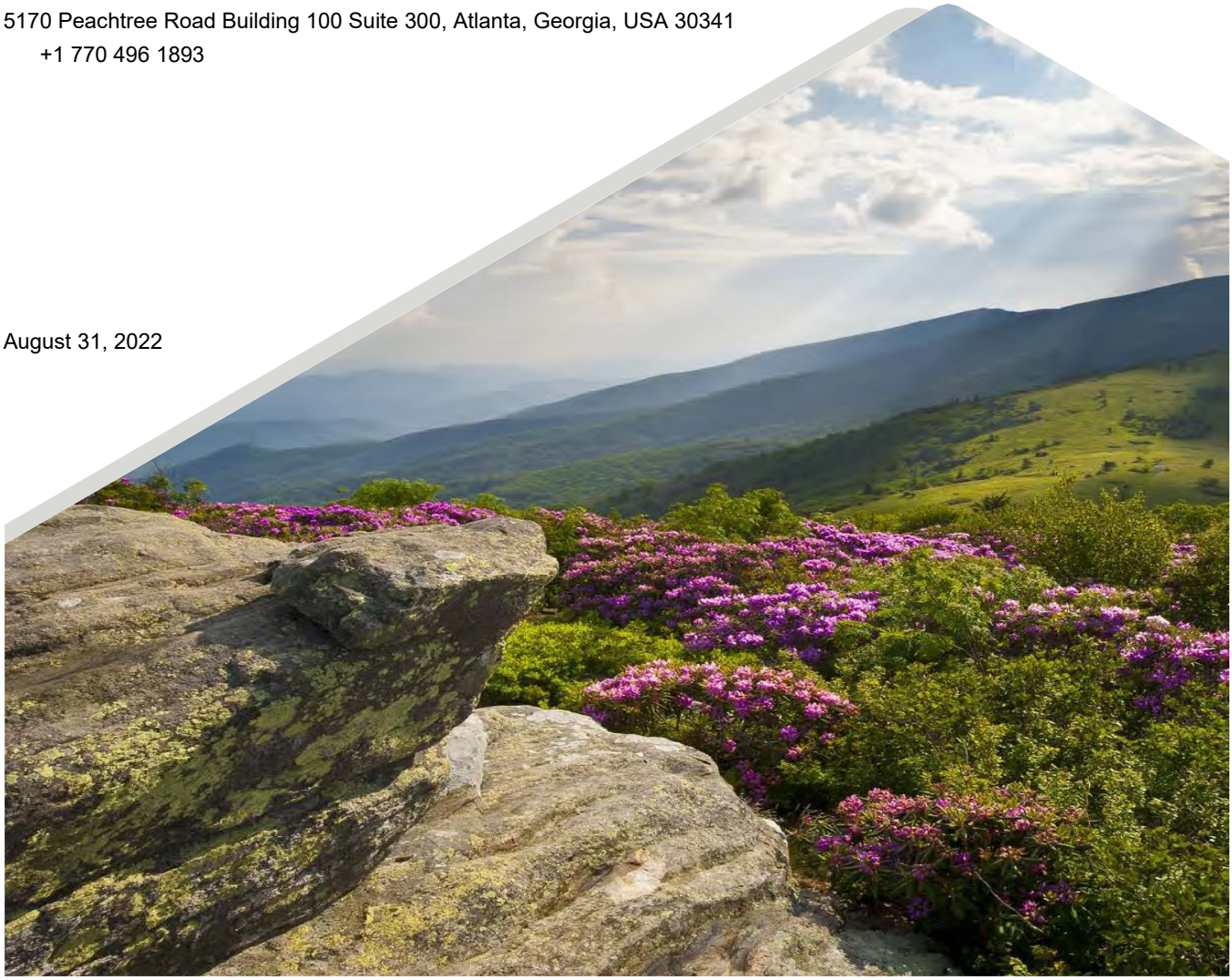
241 Ralph McGill Boulevard
Atlanta, Georgia 30308

Submitted by:

Golder Associates USA Inc.

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

+1 770 496 1893



August 31, 2022

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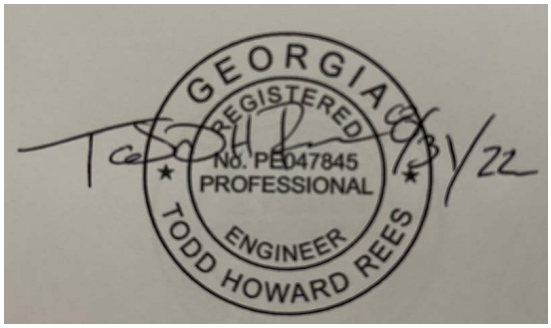
Certification

This 2022 Semi-Annual Remedy Selection and Design Progress Report, Georgia Power Company – Plant Scherer-Ash Pond 1 (AP-1), has been prepared in accordance with the United States Environmental Protection Agency coal combustion residual rule, specifically 40 Code of Federal (CFR) 227.97(a) and the Georgia Environmental Protection Division Rules for Solid Waste Management 341-3-4-.10(6)(a).). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georiga Rules of Solid Waste Managment, and 40 CFR Part 258.50(g).

Golder Associates USA Inc.

Dawn L. Prell, CPG
Senior Hydrogeologist

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



Todd H. Rees, PhD, PE
Georgia Licensed 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]; published in 80 FR 21302-21501, April 17, 2015 (CCR Rule; USEPA, 2015), Golder Associates USA Inc. (Golder) has prepared this *2022 Semi-Annual Remedy Selection and Design Progress Report Plant Scherer Ash Pond 1* (Semi-Annual Progress Report) for Georgia Power Company (Georgia Power) Plant Scherer Ash Pond 1 (AP-1 or Site). Specifically, this Semi-Annual Progress Report has been prepared pursuant to 40 CFR § 257.97(a) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10(6)(a). This Semi-Annual Progress Report documents activities conducted in support of the previously submitted *Assessment of Corrective Measures Report – Plant Scherer Ash Pond 1* (ACM Report; Golder, 2022a).

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. A site location map is included as Figure 1.

Pursuant to § 257.96, Georgia Power initiated an ACM for AP-1 on November 18, 2021 to address the occurrence of cobalt in groundwater at statistically significant levels (SSLs). Subsequently, Georgia Power completed an ACM report on April 15, 2022 and posted it to the CCR compliance website in May 2022.

In addition to the assessment monitoring program at the Site, Georgia Power conducted a human health and ecological risk assessment of cobalt SSLs in groundwater at AP-1. The risk evaluation provides one of many lines of evidence that will be reviewed and factored into the remedy selection process, which will be completed in accordance with § 257.97. Based on this risk evaluation, “constituents evaluated from AP-1 are not expected to pose a risk to human health of the environment. Accordingly, no further risk evaluation for groundwater or surface water is warranted” (Wood, 2021). Cobalt data collected since March 2020 are consistent with data used in the risk evaluation; therefore, the conclusions of the *2021 Risk Evaluation Report* are supported by current conditions

1.1 Evaluation of Corrective Measures

Pursuant to § 257.97, Georgia Power is evaluating the potential corrective measures in the ACM report to identify a remedy or combination of remedies as soon as feasible. The following corrective measures are being evaluated for potential use at AP-1:

- Geochemical Approaches (In-Situ Injection)
- Hydraulic Containment (Pump and Treat)
- Monitored Natural Attenuation (MNA)
- In-Situ Solidification/Stabilization (ISS)
- Permeable Reactive Barrier (PRB)
- Phytoremediation (TreeWell®)
- Subsurface Vertical Barrier Wall (SVBW).

An evaluation of remedial technologies is presented in Table 1. As required by the CCR Rule, this semi-annual progress report describes the progress made in selecting and designing a remedy.

The following remedial alternatives have been retained for further evaluation.

- **Geochemical Approaches (In-Situ Injection):** An injection well network, or other means of introducing reagents or air into the subsurface, is used to provide suitable reagents for either anaerobic or aerobic attenuation of constituents present as SSLs including, cobalt. Under aerobic conditions, soluble iron or manganese and oxygen (either via air sparging or through a chemical oxidant) would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of cobalt onto these mineral phases. If sufficient iron is present in groundwater, the use of air sparging alone may be considered to precipitate iron (oxy-) hydroxides for sorption. In-situ chemical oxidation (ISCO) or in-situ chemical reduction (ISCR) can be used to chemically alter the redox environment in the subsurface to affect the mobility of certain inorganic compounds.
- **Hydraulic Containment (Pump and Treat)**: Hydraulic containment involves extracting groundwater from wells or collection trenches to depress the water table and locally control the flow of groundwater. The proposed technology for a pump-and-treat system would include the installation of vertical and/or angled groundwater extraction wells downgradient of the area(s) targeted for treatment. Groundwater extraction wells are feasible to install and can be designed and screened in the unconsolidated saprolite, transition zone, and fractured bedrock materials at the site for effective hydraulic capture. Groundwater extraction wells installed in bedrock can alternatively be completed as open-hole borings to maximize groundwater removal from multiple water-bearing fracture zones at varying depths.
- **In-Situ Solidification Stabilization (ISS)** – ISS, also referred to as single auger mixing or deep soil mixing, uses a crane-mounted large-diameter auger system to drill into affected soils and uniformly mix the soils with cement to create a monolith (solidification) or with appropriate chemical additives to chemically bind constituents within the solid matrix (stabilization). This remedy can also be achieved by a cutter head on an excavator if treatment depths do not exceed the reach of the excavator. Additional equipment utilized for treatment primarily consists of a grout mixing plant, a grout pump and a mixing rig designed to encapsulate constituents in a monolithic solid of high structural integrity, thereby minimizing constituent migration.
- **Monitored Natural Attenuation (MNA):** MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation, or oxidation-reduction reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater.
- **Permeable Reactive Barrier (PRB)** - PRB technology typically involves the installation of a permeable subsurface wall constructed with reactive media for the removal of constituents as groundwater flows through the media. Either ZVI-Carbon matrix or solid carbon (bio-barrier) are likely viable for the removal of cobalt from groundwater. The carbon could be composed of peat moss, mulch or another carbon source. Exact placement of the PRB would be contingent on finalization of the nature and extent characterization. PRB walls are typically keyed into the bedrock. While the shallow groundwater in the residuum and fractured bedrock is connected to the groundwater in more competent bedrock, the higher permeability/conductivity of the PRB is not expected to impede groundwater flow. PRBs can also be constructed as “funnel and gate” systems, where a barrier wall directs groundwater to a smaller “treatment gate” filled with reactive media.

- **Phytoremediation (**TreeWell®): Phytoremediation uses trees and other plants to degrade or immobilize constituents or achieve hydraulic control without the need for an above-ground water treatment system and infrastructure. Within the context of AP-1, this corrective measure would likely use an engineered (proprietary) TreeWell® phytoremediation system along the point of compliance or downgradient edge of the impacted groundwater for hydraulic control. The system promotes root development to the targeted groundwater zone (depth), allowing for hydraulic control of groundwater.

Subsurface Vertical Barrier Wall (SVBW): This approach involves placing a barrier to groundwater flow in the subsurface to prevent future migration of dissolved constituents in groundwater from beneath the walled area to downgradient areas. In general, barrier walls are designed to provide containment; and when fully encompassing, SVBWs require a pump and treatment system to maintain inward hydraulic gradients and treat extracted water. Barrier walls can also be used in downgradient applications to limit potential influence to/from surface water features. A variety of barrier materials can be used, including cement and/or bentonite slurries, geomembrane composite materials, or driven materials such as steel or vinyl sheet pile.

1.2 Adaptive Site Management

Georgia Power proactively initiated adaptive site management as outlined in the ACM Report (Golder, 2022) to support the groundwater remedy selection process and address potential changes in site conditions as appropriate during the AP-1 closure. The adaptive site management approach will take existing site conditions, including natural attenuation mechanisms, into account. Characterization activities to evaluate attenuation mechanisms at the Site may include collection of data necessary to progressively evaluate the existing and long-term effectiveness of these processes in the aquifer and reduce uncertainty for decision making at each screening step as listed in the EPA guidelines for MNA (US EPA 2007, 2015). The 2007 MNA technical guidance specific to inorganic contaminants contained four “tiers.” The 2015 MNA guidance, which expands on and is designed to be a companion to the 2007 MNA guidance, retains these four “tiers,” but describes them as “phases.”

- **Phase I:** Demonstration that the groundwater plume is *not expanding*.
- **Phase II:** Determination that the *mechanism and rate* of the attenuation process are sufficient.
- **Phase III:** Determination that the *capacity* of the aquifer is sufficient to attenuate the mass of contaminant within the plume and the *stability* of the immobilized contaminant is sufficient to resist re-mobilization.

Phase IV: Design of a *performance monitoring program* based on an understanding of the mechanism of the attenuation process, and establishment of contingency remedies tailored to site-specific characteristics.

2.0 AP-1 CLOSURE ACTIVITIES

The *Amended Written Closure Plan* (Georgia Power, 2020) was prepared in accordance with 40 CFR 257, Subpart D and meets the requirements of 40 CFR 257.102(b) and 391-3-4-.10. The surface impoundment (AP-1) at Plant Scherer will be closed by consolidating the CCR within the 550-acre impoundment to a smaller footprint in accordance with 391-3-4-.10 and 40 CFR 257.102(b)(1)(iii). The proposed closure footprint will consist of two principal regions within the existing AP-1 footprint in the remaining area; a closure-by-removal area located to the north and the consolidated closure-in-place footprint in the south. The two proposed closure areas will be separated by a new northern embankment berm (referenced herein as the north berm) that will buttress the consolidated CCR materials within the consolidated closure-in-place footprint and for the limit of the final

cover. The reduced footprint of the consolidated CCR will then be closed in place. Site work including infrastructure updates have begun in anticipation of closure as the CCR permit is under review with GA EPD.

3.0 SUMMARY OF WORK COMPLETED

The following sections summarize field investigation activities and supplemental data collected since identifying the SSLs to support site characterization and delineation of Appendix IV SSLs, as well as evaluation of the corrective measures presented in the ACM report. These data will be used to evaluate the feasibility, mechanisms, rates, and stability of identified remedial alternatives to address SSLs of cobalt in groundwater at AP-1. An evaluation of these data as they relate to remedy selection alternatives is ongoing and will be presented in future report(s).

3.1 Nature and Extent Delineation

CCR compliance groundwater monitoring-related activities have been performed for AP-1 since September 2016 pursuant to the CCR rule. Georgia Power initiated an assessment monitoring program in November 2019 after identifying statistically significant increases (SSIs) of Appendix III parameters in groundwater. Pursuant to § 257.95, samples were collected from the compliance monitoring wells and analyzed for Appendix IV constituents.

Assessment monitoring groundwater data show SSLs of cobalt at monitoring wells SGWC-10. SGWC-11, SGWC-15, SGWC-18 and SGWC-20 at concentrations exceeding the Groundwater Protection Standards (GWPS). Details are provided in the *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2022b).

The locations of the Site monitoring wells and piezometers are shown on Figure 2. Table 2 provides a summary of construction details for each of the Site monitoring wells and piezometers, respectively. A potentiometric surface map illustrating the February 2022 potentiometric surface elevations is provided as Figure 3.

Horizontal and Vertical Delineation

To characterize the nature and extent of cobalt SSLs, multiple piezometers have been installed and sampled at the Site; refer to the table below for constituent delineation status. Figures 4, 4A, 4B, and 4C present isoconcentration contours for the cobalt exceedances of the GWPS.

Detection Monitoring Well with Cobalt SSL	Vertical Delineation Well	Horizontal Delineation Well Location
SGWC-10	PZ-69I[1]	PZ-13S
SGWC-11	P-44I[1]	PZ-14S[1]
SGWC-15	PZ-17I[1]	PZ-39S
SGWC-18	PZ-40I[1]	PZ-41S[1]
SGWC-20	PZ-42I[1]	PZ-43S

Note: [1] Delineation is currently considered complete pending additional rounds of data collection from these locations. A minimum of four data points is needed to perform the required statistical analyses. To date, each of the samples collected at the indicated locations have been below the GWPS.

Based on review of the analytical results, statistical analyses, and the isoconcentration contours, horizontal and vertical delineation is complete. Horizontal delineation for cobalt is defined by wells PZ13S, PZ-14S, PZ-39S, PZ-41S and PZ-43S. Vertical delineation for cobalt is defined by wells PZ-69I, PZ-44I, PZ-17I, PZ-40I, and PZ-42I. Sufficient data to perform statistical analyses is pending at PZ-14S, PZ-17I, PZ-40I, PZ-42I, PZ-44I and PZ-69I locations. Reported results are below the GWPS and therefore, horizontal and vertical delineation is considered complete. Details regarding the data for specific well pairs used for delineation are described in detail in the *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2022b).

3.2 Supplemental Data Collection

Groundwater samples collected from the detection and assessment monitoring well networks in February 2022 were analyzed for major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity). These data will be used to evaluate the feasibility, mechanisms, rates, and stability of identified remedial alternatives to address SSLs of cobalt in groundwater at AP-1. Results are summarized in the *2022 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2022b).

4.0 ALTERNATE SOURCE DEMONSTRATION

An Alternate Source Demonstration (ASD) for naturally occurring cobalt at monitoring wells SGWC-10 and SGWC-11 is under development and will be submitted at a later date. The ASD will be prepared to satisfy the requirements of § 257.95(g)(3)(ii) and § 391-3-4-.14(23)(c) which allows the owner or operator to demonstrate that a source other than the CCR Unit has caused an SSL. This ASD will present the results of investigations performed to evaluate the presence of naturally occurring cobalt present throughout the region and sitewide in the rock materials underlying AP-1 at Plant Scherer. Georgia Power will consider corrective measures alternatives for these locations as appropriate until such time as the ASD is approved by GA EPD.

5.0 UPDATED SITE CONCEPTUAL MODEL

The additional data collected since the issuance of the ACM, together with new data evaluation tools and interpretations (described above), allow the development of a more refined conceptual site model (CSM) as presented in the *Hydrogeologic Assessment Report* (Golder, 2021). The following summarizes the current understanding of the CSM within the context of selecting an appropriate groundwater corrective measure for AP-1.

- The February 2022 potentiometric surface shows groundwater flow is generally from the northwest towards AP-1 and radially from AP-1, which sits on a topographic high, as shown on Figure 3. The latest water level data collected in 2022 confirmed groundwater flow in the uppermost aquifer to be consistent with the CSM.

The boring logs from the newly installed vertical delineation well PZ-69I provided a more refined top of bedrock surface and confirmed geology consistent with that presented in the CSM.

6.0 CORRECTIVE MEASURES ALTERNATIVES

Table 1 presents a summary of each of the remedial alternatives presented as part of the ACM. Table 3 provides a summary of additional data planned to be collected to further evaluate the feasibility of these. The retention evaluation (Retained for Further Evaluation or Not Retained) for each potential remedial alternative is included on Table 1. All of the alternatives described in Section 1.1 remain retained for further evaluation:

- Geochemical Approaches (In-Situ Injection)

- Hydraulic Containment (Pump and Treat)
- Monitored Natural Attenuation (MNA)
- In-Situ Solidification/Stabilization (ISS)
- Permeable Reactive Barrier (PRB)
- Phytoremediation (Phyto)

Subsurface Vertical Barrier Wall (SVBW).

7.0 PLANNED ACTIVITIES

Georgia Power has initiated activities as outlined in the ACM Report (Golder, 2022a) to support the groundwater remedy selection process and address potential changes in Site conditions as appropriate. The adaptive site management approach toward remedy selection may be adjusted as new Site information and technologies become available. To this end, Georgia Power will continue its data collection efforts as necessary in support of efforts to refine the CSM and to further evaluate the feasibility of each corrective measure retained for further evaluation.

Additional field investigation activities and data analyses are planned to evaluate potential remedial alternatives. Supplementary data collection and evaluation activities proposed to be completed within the next 6 months are presented on Table 3, with the key elements summarized below.

- Collect additional groundwater quality data to complete statistical analyses of delineation data. In addition to Appendix III/IV constituents, wells may also be analyzed for major cations/anions and other parameters for characterization of groundwater and evaluating the potential remedies.
- Complete soil borings along multiple transects near three of the five wells exhibiting SSLs of cobalt (SGWC-15, SGWC-18, and SGWC-20) to sample for soil chemical and mineral data. The two remaining wells with SSLs (SGWC-10 and SGWC-11) will be part of the alternate source demonstration noted above.
- Evaluate site soil data for attenuation mechanism and rates, aquifer capacity for attenuation, and mineralogical characterization.

Georgia Power will continue to prepare semi-annual progress reports to document AP-1 groundwater conditions, results associated with additional data collection, and the progress in selecting and designing a groundwater remedy in accordance with § 257.97(a). Georgia Power will include these future semi-annual progress reports with routine groundwater monitoring and corrective action reports to meet the requirements of § 257.105(h)(12), § 257.106(h)(9), and § 257.107(h)(9), respectively.

8.0 REFERENCES

Georgia EPD, 2016. Chapter 391-3-4 Rules for Solid Waste Management, Georgia Environmental Protection Division.

Georgia Power, 2020. Amended Written Closure Plan 40 CFR 257.102, Plant Scherer Ash Pond 1, October 30, 2020.

Golder, 2021, *Hydrogeologic Assessment Report, Plant Scherer Ash Pond 1 (AP-1),* Golder Associates Inc., September 2021.

Golder, 2022a. *Assessment of Corrective Measures Report – Plant Scherer Ash Pond 1 (AP-1),* Golder Associates USA Inc., April 15, 2022.

Golder, 2022b. *Semi-Annual Groundwater Monitoring and Corrective Action Report – Plant Scherer Ash Pond 1 (AP-1)*, Golder Associates USA Inc., August 31, 2022.

US EPA 2007. Monitored Natural Attenuation for Inorganic Contaminants in Ground Water. Volume 1 – Technical Basis for Assessment. National Risk Management Laboratory. EPA/600/R-07/139. October 2007.

US EPA, 2015. *Use of Monitored Natural Attenuation for Inorganic Contaminants in Groundwater at Superfund Sites.* U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response Directive, August 2015.

US EPA, 40 CFR 257, Subpart D, 80 Fed. Reg. 21468 (April 17, 2015, revised August 2016).

Wood, 2021. *Risk Evaluation Report, Plant Scherer Ash Pond 1, Juliette Georgia*, January 2021.

Tables

TABLE 1
Evaluation of Remedial Technologies
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
Geochemical Approaches (in situ injection)	Use of an injection well network, or other means of introducing reagents or air into the subsurface, to provide suitable reagents for either anaerobic or aerobic attenuation of cobalt (Co). Under anaerobic conditions, Co would be attenuated within sparingly soluble sulfide minerals. Under aerobic conditions, soluble iron or manganese and oxygen (either via air sparging or through a chemical oxidant) would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of Co onto these mineral phases. If sufficient iron is present in groundwater, the use of air sparging alone may be considered to precipitate iron (oxy-) hydroxides for sorption. In-situ chemical oxidation (ISCO) or in-situ chemical reduction (ISCR) can be used to chemically alter the redox environment in the subsurface to affect the mobility of certain inorganic compounds, including Co.	The effective immobilization of Co has been shown under aerobic and anaerobic conditions; however, the anaerobic approach (involving the injection of an electron donor together with iron or manganese and sulfur) requires careful study and testing. While aerobic approaches are somewhat less complex, additional aquifer characterization is needed to further evaluate these options.	Reliability dependent on permeability of the subsurface and the amount and distribution of secondary iron or manganese (oxy-) hydroxides (for aerobic approach), or electron donors and soluble iron or manganese and sulfur that can be consistently distributed (for anaerobic approach). Reliable technology if injected materials can be distributed throughout the impacted aquifer. Bench- and/or pilot-scale treatability testing programs are needed to understand the biogeochemical processes that would effectively reduce migration of Co in groundwater.
Hydraulic Containment (pump- and-treat)	Hydraulic containment refers to the use of groundwater extraction to induce a hydraulic gradient for hydraulic capture or control the migration of impacted groundwater. This approach uses extraction wells or trenches to capture groundwater, which may subsequently require above-ground treatment and permitted discharge to a receiving water feature, reinjection into the groundwater, or reuse (e.g., land application, CCR conditioning, etc.). It is applicable to a variable mix of inorganic constituents, including dissolved Co.	Pump and treat (P&T) is effective at providing hydraulic control, but it is unclear whether full groundwater remediation can be achieved without further understanding attenuation mechanisms at the Site. At AP-1, implementation of the corrective measure is contingent on completing additional assessment activities (i.e., high-resolution site characterization, additional pump tests, flow modeling, and capture zone analysis). This is needed to refine the constituent distribution in the subsurface to target specific zones for pumping for improved mass recovery efficiency/ effectiveness and to further evaluate the potential remedy performance.	Generally reliable for hydraulic containment, but uncertainty exists whether groundwater remediation goals can be achieved within a reasonable time frame without further understanding attenuation mechanisms.

TABLE 1
Evaluation of Remedial Technologies
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
Monitored Natural Attenuation (MNA)	MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation or oxidation-reduction reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater. Attenuation mechanisms for inorganic constituents at CCR sites, including Co at AP-1, are either physical (e.g., dilution, dispersion, flushing, and related processes) or chemical (sorption or oxidation reduction reactions). Chemical attenuation processes include precipitation, and sorption reactions such as adsorption on the surfaces of soil minerals, absorption into the matrix of soil minerals, or partitioning into organic matter. Further, oxidation-reduction (redox) reactions, via abiotic or biotic processes, can transform the valence states of some inorganic constituents to less soluble and thus less mobile forms. For Co, the main attenuation processes include sorption to iron and manganese oxides and formation of sparingly soluble sulfide minerals.	Physical and chemical MNA mechanisms for Co, including dilution, dispersion, sorption, and oxidation reduction reactions can be effective at achieving groundwater protection standards (GWPS) within a reasonable time frame. Source control will improve the mass balance such that the buffer capacity of the aquifer is unlikely to be exhausted, and the attenuation processes already at work for Co at AP-1 will further enhance ongoing MNA.	Reliable as long as sufficient attenuation capacity is present. MNA is reliable and can either be used as a stand-alone corrective measure for groundwater impacted by dissolved Co, or in combination with a second technology.
In-Situ Solidification / Stabilization (ISS)	ISS, also referred to as single auger mixing or deep soil mixing, uses a crane-mounted large-diameter auger system to drill into affected soils and uniformly mix the soils with cement to create a monolith (solidification) or with appropriate chemical additives to chemically bind constituents within the solid matrix (stabilization). This remedy can also be achieved by a cutter head on an excavator if treatment depths do not exceed the reach of the excavator. Additional equipment utilized for treatment primarily consists of a grout mixing plant, a grout pump and a mixing rig designed to encapsulate constituents in a monolithic solid of high structural integrity, thereby minimizing constituent migration.	Groundwater impacts would be addressed through the processes of natural attenuation. This alternative would isolate/secure the area of influence outside the CCR unit in a bound matrix, and over time, allow the concentrations of constituents of concern (COCs) in downgradient groundwater to decline to below applicable standards.	In-situ stabilization can be a reliable corrective measure for Co in groundwater. Reliability is dependent on the permeability of the subsurface and mechanics of injection.
Permeable Reactive Barrier (PRB)	Permeable reactive barrier (PRB) technology typically involves the installation of a permeable subsurface wall constructed with reactive media for the removal of constituents as groundwater passes through. Either ZVI-Carbon matrix or solid carbon (bio-barrier) are likely viable for the concurrent removal of Co. The carbon could be composed of peat moss, mulch or another carbon source. Exact placement of the PRB would be contingent on finalization of the nature and extent characterization. PRB walls are typically keyed into the bedrock. While the shallow groundwater in the residuum and fractured bedrock is connected to the groundwater in more competent bedrock, the higher permeability/conductivity of the PRB	PRBs have been shown to effectively address Co in groundwater. The approach is expected to achieve GWPS for Co as impacted groundwater passes through the reactive barrier. Furthermore, additional testing is required to select the appropriate sorptive media mix.	Reliable groundwater corrective measure technology, but loss of reactivity over time may require re-installation depending on the duration of the remedy. Additional data collection, including conducting a bench and/or pilot study, is needed to select the appropriate reactive media mix and dosages for a PRB wall.

TABLE 1
Evaluation of Remedial Technologies
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
	is not expected to impede groundwater flow. PRBs can also be constructed as “funnel and gate” systems, where a barrier wall directs groundwater to a smaller “treatment gate” filled with reactive media.		
Phyto Remediation (TreeWell®)	Phytoremediation uses trees and other plants to degrade or immobilize constituents or achieve hydraulic control without the need for an above-ground water treatment system and infrastructure. Within the context of AP-1, this corrective measure would likely use an engineered (proprietary) TreeWell® phytoremediation system along the point of compliance or downgradient edge of the impacted groundwater for hydraulic control. The system promotes root development to the targeted groundwater zone (depth), allowing for hydraulic control of impacted groundwater. In addition, immobilization of Co within the root zone as well as incidental uptake of dissolved Co with groundwater is expected to occur concurrent with hydraulic control.	Once established (typically at the end of the third growing season), a TreeWell® system is effective for providing hydraulic containment of groundwater, and potential reduction of Co concentration through immobilization and/or uptake and sequestration in the tree biomass; however, the main purpose is to provide hydraulic control. Given the likely construction of a SVBW for groundwater control at AP-1, phytoremediation is not practicable.	Engineered phytoremediation is a proven technology where hydrogeologic factors are taken into account (e.g., hydraulic conductivity, flow velocity, depth to impacted groundwater zone, etc.). This is considered an active remedial approach through the use of trees as the "pumps" driving the system. Careful design will be needed to select the proper species, which will include consideration of groundwater chemistry, plant uptake of constituents, and groundwater flow modeling to evaluate the required number and placement of TreeWell® units.
Subsurface Vertical Barrier Walls (SVBW)	This approach involves placing a barrier to groundwater flow in the subsurface to prevent future migration of dissolved constituents in groundwater from beneath the walled area to downgradient areas. In general, barrier walls are designed to provide containment; and when fully encompassing, SVBWs require a pump and treatment system to maintain inward hydraulic gradients and treat extracted water. Barrier walls can also be used in downgradient applications to limit potential influence to/from surface water features. A variety of barrier materials can be used, including cement and/or bentonite slurries, geomembrane composite materials, or driven materials such as steel or vinyl sheet pile.	Barrier walls are a proven technology for groundwater cutoff at impoundments. Slurry walls are limited by the depth of installation, which is approximately 90 ft below ground surface. However, site-specific geologic and technology-specific considerations may limit this depth to shallower installations. Within the context of AP-1, a barrier wall might be used in conjunction with a “funnel and gate” system for a PRB rather than a stand-alone technology. As such, groundwater with Co above GWPS could either be directed to “treatment gates” for passive treatment (in a PRB) or migration of impacted groundwater could be minimized via barrier wall installation. Additional subsurface investigations, aquifer testing, and compatibility testing with site-specific groundwater will be needed.	Generally reliable as a barrier to groundwater flow; however, treatment of downgradient groundwater is incidental and not the primary objective.

TABLE 1
Evaluation of Remedial Technologies
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Ease of Implementation	**Potential Impacts**	**Time Requirement to Begin/Complete**
Geochemical Approaches (in situ injection)	Moderate. Installation of injection well network or other injection infrastructure would be required. Alternative installation approaches may be considered, such as along the downgradient edge of impacted groundwater, which would function similar to a PRB application. Potential for clogging of aquifer matrix and/or injection well infrastructure. Chemical distribution during injections (i.e., radius of influence) needs to be evaluated.	Minimal impacts are expected if remedy works as designed, based on a thorough pre-design investigation, geochemical modeling, and bench/pilot study results. Redox-altering processes have the potential to mobilize naturally-occurring constituents as an unintended consequence if not properly studied and implemented.	Design of a geochemical in situ injection 'system' will require numerical groundwater flow and geochemical modeling, bench scale testing and may require a pilot test to obtain final design parameters which may take up to 24 months. After design, installation of the injection network can be accomplished relatively quickly (1 to 2 months). Once installed, the time required to achieve GWPS within the treatment area may be relatively quick but depends on the attenuation process kinetics of each targeted constituent. The time for complete distribution of the injected materials throughout the treatment area is also variable.
Hydraulic Containment (pump- and-treat)	Moderate. Proven approach, and supplemental installation of extraction wells/trenches is straightforward. The extracted groundwater may potentially require an above-ground treatment system. A variety of sorption and precipitation approaches exist for ex-situ treatment of Co. Operation and maintenance (O&M) requirements are expected to include upkeep of infrastructure components (pumps, pipes, tanks, instrumentation and controls, above-ground treatment system) and handling of treatment residuals.	The main potential impacts are related to the presence and operation of an on-site above-ground water treatment facility and related infrastructure to convey and treat extracted groundwater. Pumping activity may unintentionally alter the geochemistry within the hydraulic capture zone.	Design of a pump and treatment system will require additional aquifer testing, numerical groundwater modeling, and if needed, design of a treatment system for the extracted groundwater (which itself will required significant treatability testing). Installation of extraction wells and/or trenches can be accomplished relatively quickly (1 to 2 months) and if required, the treatment system would require up to and additional year to construct and start-up . The initiation of the approach would be contingent on the start-up of the wastewater treatment infrastructure. Hydraulic containment can be achieved relatively quickly after startup of the extraction system, but uncertainty exists with respect to the time to achieve GWPS without additional data collection to better understand attenuation mechanisms for Co.
Monitored Natural Attenuation (MNA)	Easy. Easy to implement with respect to infrastructure, monitoring and reporting. Proven approach, but additional data are needed to show that the existing attenuation capacity is sufficient to meet site objectives within a reasonable timeframe. A monitoring well network already exists to implement future groundwater monitoring efforts.	No impacts are anticipated; MNA relies on the natural processes active in the aquifer matrix to reduce constituent concentrations.	Design of an MNA remedy demonstrates that attenuation mechanisms and capacity are naturally present in the groundwater system and will require an MNA evaluation and groundwater and geochemical modeling and can take up to 1 year. The infrastructure to initiate MNA is already in place but may require some additional wells. MNA is expected to be successful within a reasonable time frame following pond closure. Engineering measures will be implemented during closure of the CCR unit to minimize potential impacts to the subsurface during closure activities and routine groundwater monitoring will be used to verify that groundwater impacts remain stable or decrease over time.

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Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Ease of Implementation	**Potential Impacts**	**Time Requirement to Begin/Complete**
In-Situ Solidification / Stabilization (ISS)	Difficult. ISS has been proven effective and stabilizing waste masses to prevent leaching, but very intensive program to solidify an entire CCR unit. Significant heavy equipment and traffic on-Site and working on the AP-1 unit. ISS has not been commonly used to stabilize entire ash units as part of a closure strategy.	Following completing, potential impacts of the remedy will be negligible. During construction, general construction safety risks would be elevated above less-intensive remedies.	Design of an In-situ stabilization remedy for AP-1 will take several years to complete and will require bench scale testing to determine the appropriate amendment mix for a variety of overburden geologic materials. Pilot testing will also be needed to verify the ability of equipment to solidify material at depth. Following design, implementation of solidify the AP-1 CCR mass could take many years after may be delayed by availability of specialized contractors and equipment.
Permeable Reactive Barrier (PRB)	Moderate to Difficult. Trenching would be required to install a mix of reactive materials in the subsurface. Continuous trenching may be the most feasible construction method. Installation methods and materials are readily available. Once installed, treatment will be passive and O&M requirements are minimal if replacement of the PRB is not necessary.	Minimal impacts are expected following the construction of the remedy. However, ZVI has the potential to create anaerobic conditions downgradient of the PRB wall that may mobilize redox-sensitive naturally occurring constituents. These conditions need to be carefully monitored. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures.	Design of a PRB may take up to 2 years, including bench/column testing for selection of reactive media and dosages (percent by weight), selection of ballast material for target hydraulic conductivity of the mixed porous media, and numerical groundwater modeling required to evaluate post-installation flow. Installation of a PRB can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. Once installed, the time to achieve GWPS downgradient of the PRB is anticipated to be relatively quick.
Phytoemediation	Reasonably implementable to moderate. Engineered approach has been proven effective, and specific depth zones can be targeted. Species are selected and trees are installed such that the root zone can intercept impacted groundwater flow paths. Area must be clear of above and below-ground structures (i.e., power lines). The system, once established (approximately three growing seasons), is a self-maintaining, sustainable remedial system that has no external energy requirements and little maintenance (i.e., efforts normally associated with landscaping).	Minimal impacts are expected. In fact, there are several positive impacts expected, including enhanced aesthetics, wildlife habitat, and limited energy consumption.	The design phase may take up to 6 months, and some groundwater modeling may be required. Depending on the number of required units, the installation effort is expected to last several weeks. Hydraulic capture/control is expected approximately three years after planting and system performance is expected to further improve over time.
Subsurface Vertical Barrier Walls (SVBW)	Moderate to difficult. Trenching will be required to fill in the various slurry mixes; alternatively, sheet pile installations can be accomplished without excavation of trenches. The application of barrier walls is limited by the depth of installation, which similar to PRBs, should be keyed into a low permeability layer such as a thick clay layer, PWR, or bedrock. Installation methods and materials are readily available.	Minimal impacts are expected following the construction of the remedy. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures. Changes to groundwater flow patterns due to installation of the barrier wall are expected, which can affect other aspects of groundwater corrective action.	The design phase may take up to 24 months and is likely to include additional aquifer testing and numerical groundwater modeling. Installation of a barrier wall can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. Once installed, preventing migration of constituents dissolved in groundwater is anticipated to be relatively quick. Since this approach does not treat the downgradient area of impacted groundwater but prevents migration, it will likely have to be maintained long-term and coupled with other approaches.

TABLE 1
Evaluation of Remedial Technologies
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		Relative Costs	Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements		
Geochemical Approaches (in situ injection)	Deed restrictions may be necessary until in-situ treatment has achieved GWPS. A new UIC permit (for in-situ injections) would be required to implement this corrective measure. No other institutional requirements are expected at this time.	None expected at this point. Potential for mobilization of redox-sensitive constituents exists during implementation of an anerobic attenuation approach. Following installation, the remedy is passive.	Medium (depending on expanse of injection network required and injectate volume required per derived design parameters)	Retained for further analysis; can be applied for Co as a sparingly soluble mineral or could be applied to raise the groundwater pH to promote immobilization through sorption mechanisms.
Hydraulic Containment (pump- and-treat)	Depending on the effluent management strategy, modifications to the existing NPDES permit may be required, or obtaining a new underground injection control (UIC) permit may be needed if groundwater reinjection is chosen. In addition, deed restrictions may be required as long as groundwater conditions are above regulatory standards for unrestricted use.	Above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	Medium to high (depending on remedy duration, complexity of above-ground treatment system, and volume of water processed)	Retained for further analysis; extracted water could be routed to wastewater treatment infrastructure built for dewatering and closure of ponds at the site.
Monitored Natural Attenuation (MNA)	MNA may require the implementation of institutional controls, such as deed restrictions, to preclude potential exposure to groundwater within the footprint of impacted groundwater until GWPS are achieved.	Little to no physical disruption to remediation areas and no adverse construction-related impacts are expected on the surrounding community.	Low to medium	Retained for further analysis; may be used as a stand-alone corrective measure or in conjunction with other potential groundwater corrective measures.
In-Situ Solidification / Stabilization (ISS)	Deed restrictions may be necessary until groundwater concentrations are below GWPS. No other institutional requirements that may limit application of this technology are expected at this time.	Changes to groundwater chemistry relative to the mobility of Appendix IV constituents following completion of ISS, where large volumes of amendments (typically Portland cement) are added to the subsurface, are unknown and would require pilot testing. Significant Site construction work.	Very high, significant equipment, labor and reactant/stabilization demand.	Retained for further analysis; the application of ISS can limit Co migration in groundwater.
Permeable Reactive Barrier (PRB)	Deed restrictions may be necessary for groundwater areas upgradient of the PRB (if not installed along the waste boundary). No other institutional requirements are expected at this time.	None expected at this point. Following installation, the remedy is passive. However, certain treatment media (such as ZVI) have the potential to mobilize naturally occurring constituents downgradient of the PRB.	Medium to high (for installation) - minimal O&M requirements if replacement is not necessary	Retained for further analysis; capable of treating Co when PRB can be placed appropriately given physical Site constraints.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		Relative Costs	Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements		
Phytoremediation	Deed restrictions may be necessary for groundwater areas upgradient of the phytoremediation layout. No other institutional requirements are expected at this time.	None expected at this point. Following installation, the remedy is passive and does not require external energy.	Medium (for installation) - minimal O&M requirements	Retained for further analysis; limited to root zone.
Subsurface Vertical Barrier Walls (SVBW)	Deed restrictions may be necessary for groundwater areas downgradient of the barrier wall until remedial goals are met. No other institutional requirements are expected at this time.	If groundwater extraction associated with barrier walls is necessary to maintain inward gradients, above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	Medium to high (depending on length and depth of wall and need for treatment of extracted water)	Retained for further analysis; capable of limiting Co migration in groundwater.

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL, AND PIEZOMETER CONSTRUCTION
Georgia Power Company - 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 DETECTION 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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Juliette, GA

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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
PZ-69I	Downgradient	Bedrock	1121906.36	2404051.35	506.44	506.0	508.85	108.9	410.00	400.00	10	1/13/2022
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

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL, AND PIEZOMETER CONSTRUCTION
Georgia Power Company - 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
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	1119615.01	2411201.98	409.97	409.6	412.66	49.46	373.20	363.20	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

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Juliette, GA

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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

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Georgia Power Company - 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

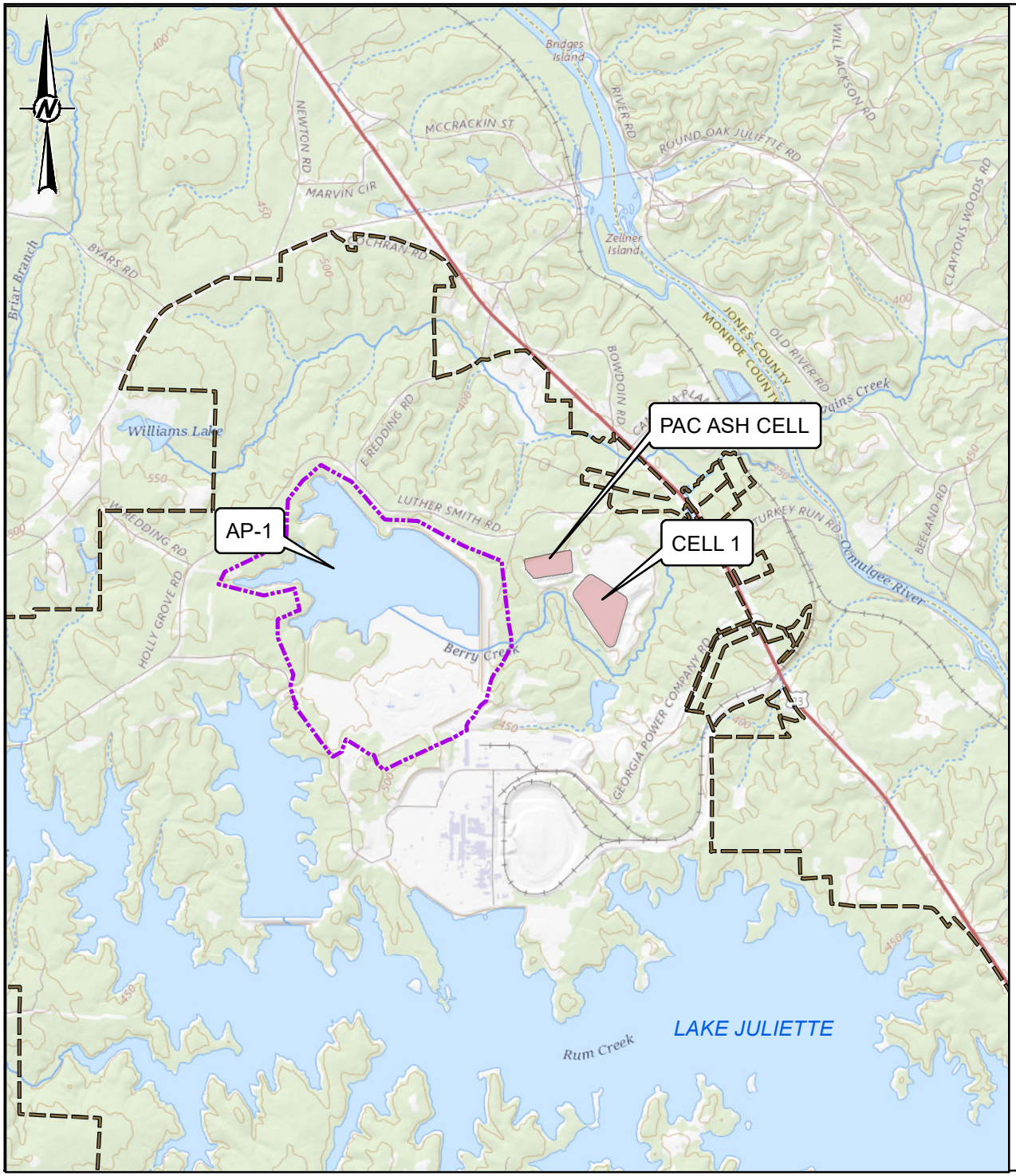
TABLE 3
Proposed ACM Supplementary Data Collection Tasks for July through December 2022
Georgia Power Company – Plant Scherer Ash Pond 1
Juliette, Georgia

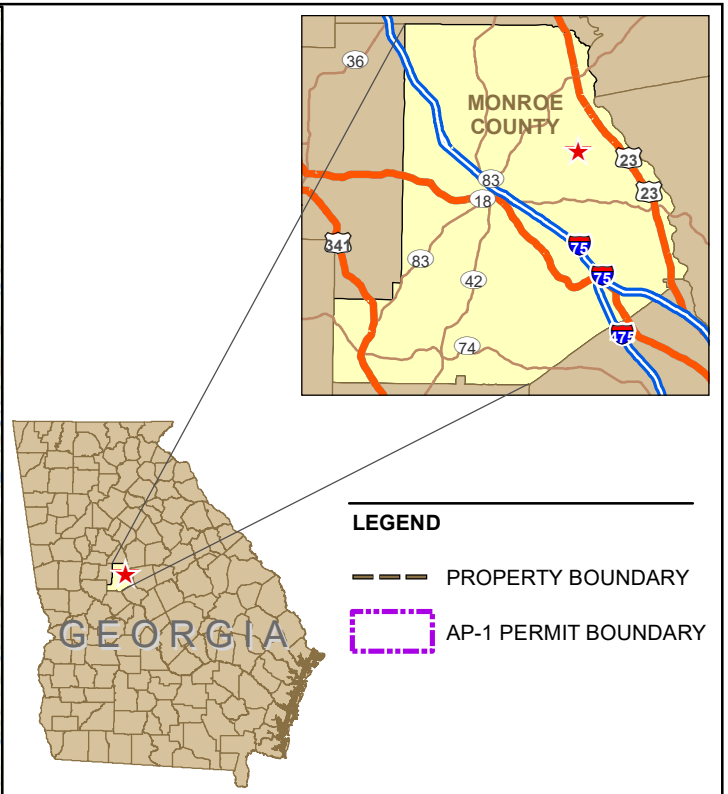
Data Collection Event	Applicable CMs[1]	Applicability / Rationale	Field Component	Parameters of Interest (POI)
Groundwater Sampling	ISI P&T ISS MNA PRB Phyto SVBW	Evaluation of attenuation mechanisms and rates and aquifer capacity for attenuation to determine the viability of in-situ injections for remedy selection.	Collect groundwater samples from existing well network currently sampled under the assessment monitoring program as well as additional site piezometers within migration pathway.	In addition to routine App III/IV parameters; sulfide, iron, manganese, magnesium, sodium, potassium, bicarbonate alkalinity, dissolved organic carbon (DOC), and total hardness to be collected at select locations.
Transect Investigation	ISI P&T ISS MNA PRB Phyto SVBW	Evaluation of soils and groundwater along groundwater flow paths to assess correlation between groundwater pH conditions and cobalt plume to evaluate the applicability of various CMs.	Drilling program to install boreholes to collect groundwater and soil samples to delineate areas of low pH and potential sources of acidification	In addition to routine App III/IV parameters; sulfide, iron (ferrous, ferric), manganese, magnesium, sodium, potassium, bicarbonate alkalinity, dissolved organic carbon (DOC), and total hardness to be collected at select locations. Sequential extraction procedure (SEP) for analysis of cobalt (Co) to characterize the aquifer solid matrix
Aquifer solids sampling (Collect/Submit archived soil/rock cores) as needed	ISI P&T ISS MNA PRB Phyto SVBW	Evaluation of attenuation mechanisms and rates and aquifer capacity for attenuation and/or mineralogical composition to determine the viability of MNA and/or the treatability for ISI and ISS	Collect samples from previously extracted soil/rock cores from selected boring locations.	Sequential extraction procedure (SEP) for analysis of cobalt (Co) to characterize the aquifer solid matrix; x-ray diffraction (XRD) analysis for mineralogy; total Co, aluminum, iron, and manganese.

[1] Applicable Corrective Measures (CMs):

a) Geochemical Approaches (ISI)
b) Hydraulic Containment (P&T)
c) In-Situ Solidification/Stabilization (ISS)
d) Monitored Natural Attenuation (MNA)
e) Permeable Reactive Barrier (PRB)
f) Phytoremediation (Phyto)
g) Subsurface Vertical Barrier Wall (SVBW).

Figures





LEGEND

PROPERTY BOUNDARY

AP-1 PERMIT BOUNDARY

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

0 4000 8000 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER

Georgia Power

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

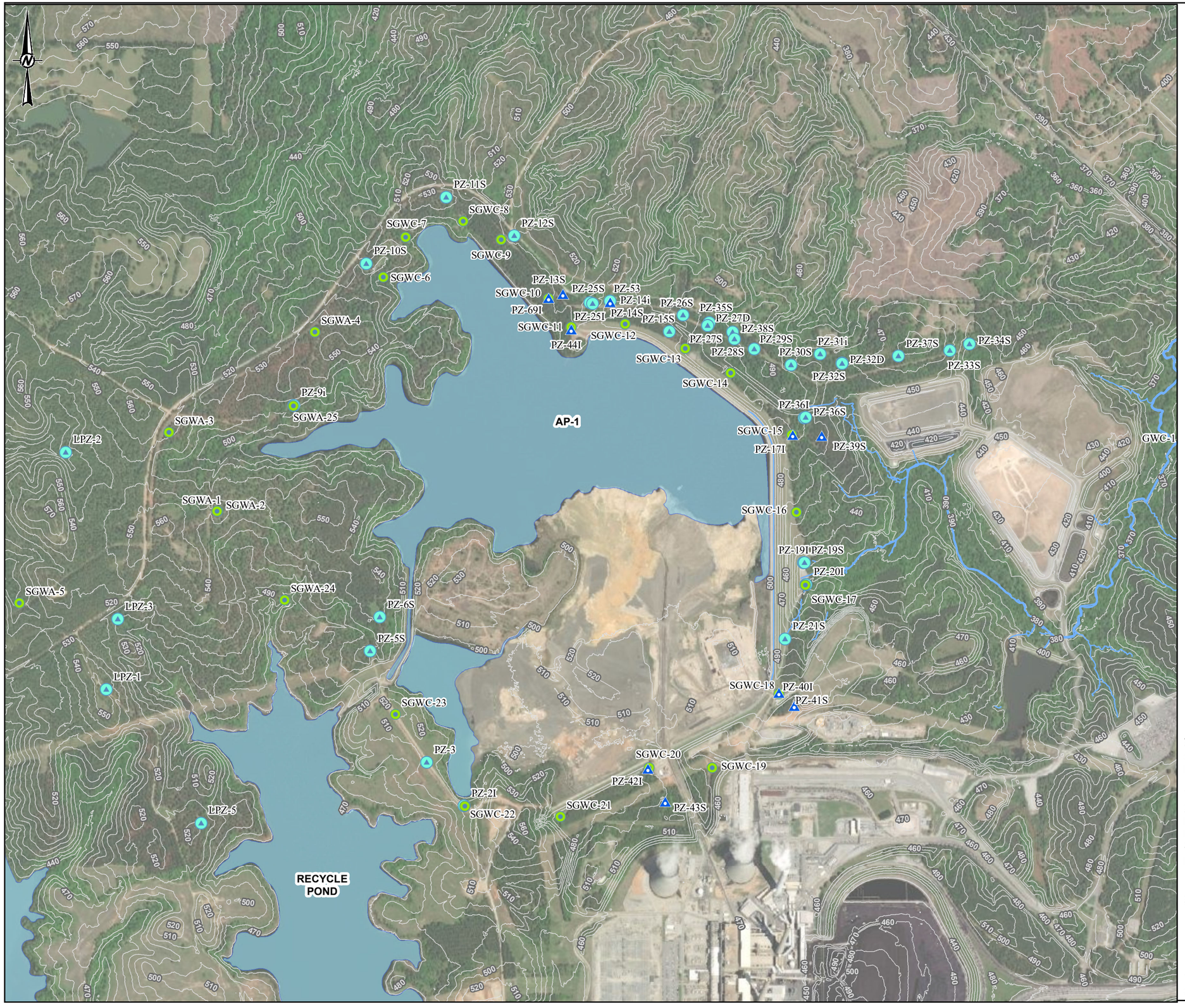
TITLE
SITE LOCATION MAP

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-08
PREPARED	DJC
DESIGN	DLP
CHECKED	
REVIEWED/APPROVED	

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021I000-GIS.mxd	0	1

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



LEGEND

- MONITORING WELL LOCATION
- ASSESSMENT MONITORING WELL LOCATION
- PIEZOMETER 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

Georgia Power

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

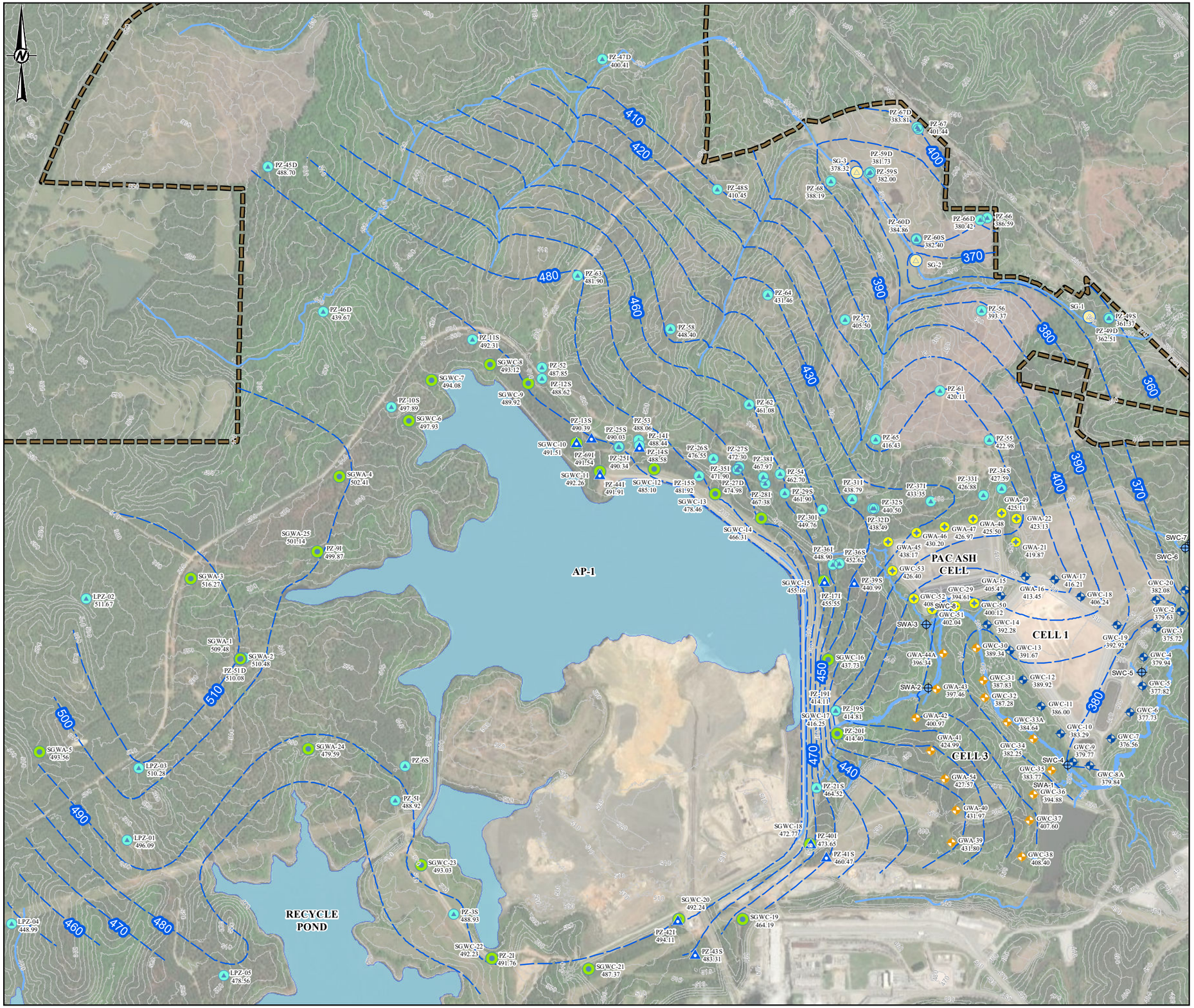
TITLE
MONITORING WELL AND PIEZOMETER LOCATION MAP

CONSULTANT
wsp GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No. GL166235021 | CONTROL GL166235021I002-GIS.mxd | Rev. 0 | FIGURE **2**

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



LEGEND

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

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.
5. PZ-46D* AND PZ-67D* WERE NOT USED FOR CONTOURING.

REFERENCE

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

RACHEL P. KIRKMAN
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
PG001756
8-31-22

1200 600 0 1200
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
JULIETTE, GEORGIA

Georgia Power

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

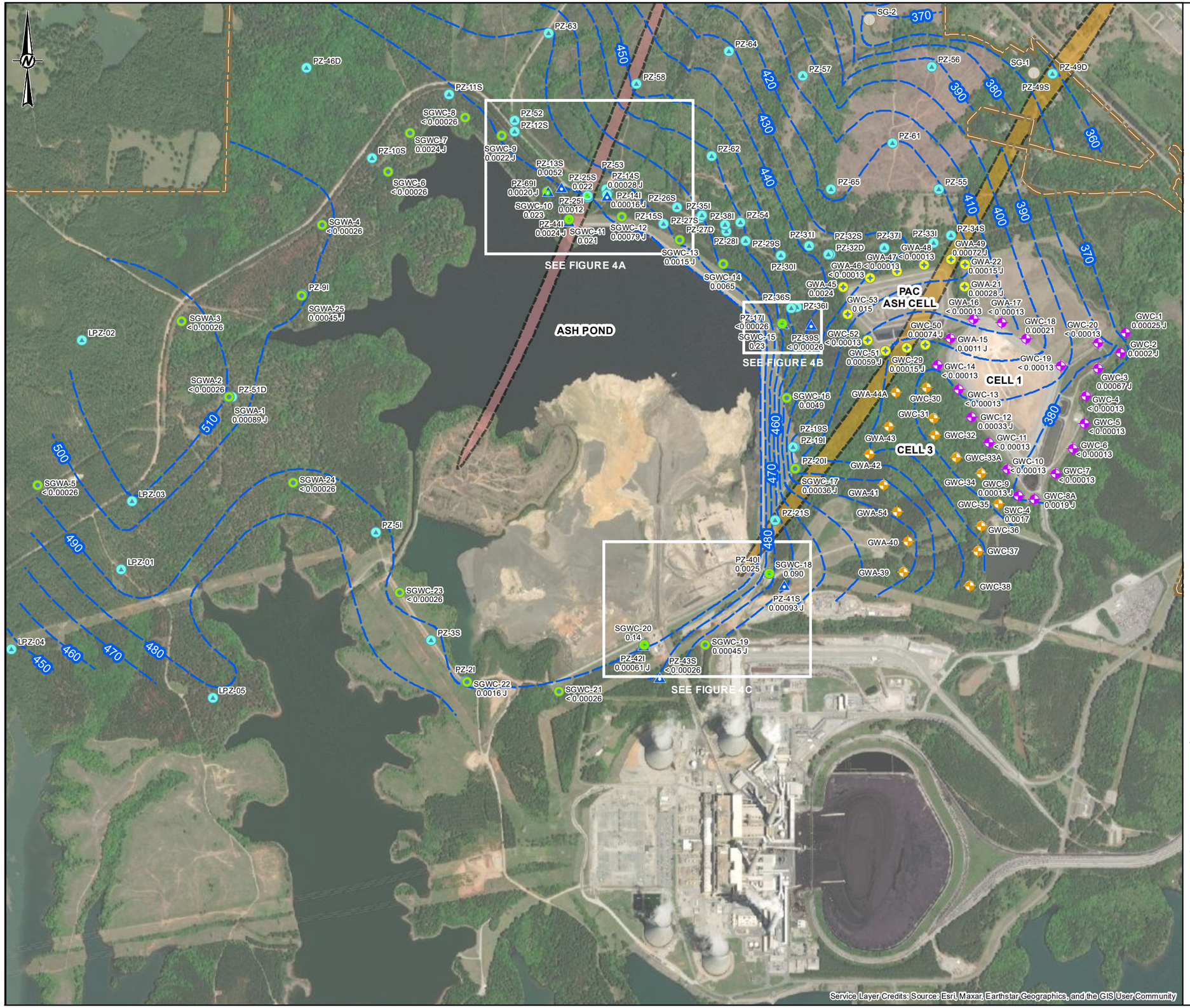
TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 8, 2022

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	DLP
APPROVED	RPK

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021A003-GIS.mxd	0	3

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



LEGEND

- GROUNDWATER ELEVATION CONTOUR (FT. NAVD) - (AUGUST 2021)
- 0.02 ISOCONCENTRATION CONTOUR
- ASSESSMENT WELL
- PIEZOMETER
- SCHERER ASH POND-CCR MONITORING WELL
- PAC ASH CELL MONITORING WELL
- CELL 1 LANDFILL MONITORING WELL
- CELL 3 LANDFILL MONITORING WELL
- DIORITE SILL (OZpd)
- DIABASE (Td)

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.02	0.02

RSL = REGIONAL SCREENING LEVEL
MCL = MAXIMUM CONTAMINANT LEVEL
GWPS = GROUNDWATER PROTECTION STANDARD
N/R = NOT REPORTED

NOTES
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. THE GREEN ISOCONTOUR IS THE APPROXIMATE EXTENT OF COBALT ABOVE 0.02 MG/L IN GROUNDWATER AND IS BASED ON THE AVAILABLE DATA FROM SURROUNDING WELLS AND PIEZOMETERS SHOWN ON THE FIGURE.
3. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED IN FEBRUARY 2022. J FLAGS INDICATE ESTIMATED VALUE.
4. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

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

1250 625 0 1250
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

TITLE
COBALT ISOCONCENTRATION MAP
FEBRUARY 2022

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	
APPROVED	

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021I004-GIS.mxd	0	4

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

LEGEND

- GROUNDWATER ELEVATION CONTOUR (FT. NAVD) - (FEBRUARY 2022)
- 0.02 ISOCONCENTRATION CONTOUR
- ASSESSMENT WELL
- PIEZOMETER
- SCHERER ASH POND-CCR MONITORING WELL
- DIABASE (Td)

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.02	0.02

RSL = REGIONAL SCREENING LEVEL
MCL = MAXIMUM CONTAMINANT LEVEL
GWPS = GROUNDWATER PROTECTION STANDARD
N/R = NOT REPORTED

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

2. THE GREEN ISOCONTOUR IS THE APPROXIMATE EXTENT OF COBALT ABOVE 0.02 MG/L IN GROUNDWATER AND IS BASED ON THE AVAILABLE DATA FROM SURROUNDING WELLS AND PIEZOMETERS SHOWN ON THE FIGURE.

3. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED IN FEBRUARY 2022. J FLAGS INDICATE ESTIMATED VALUE.

4. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

REFERENCE

1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).

2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.

200 100 0 200
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

TITLE
INSET A COBALT ISOCONCENTRATION MAP
FEBRUARY 2022

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	
APPROVED	

PROJECT No. GL166235021 | CONTROL GL166235021I005-GIS.mxd | Rev. 0 | FIGURE **4A**

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

LEGEND

- GROUNDWATER ELEVATION CONTOUR (FT. NAVD) - (FEBRUARY 2022)
- 0.02 ISOCONCENTRATION CONTOUR
- ASSESSMENT WELL
- PIEZOMETER
- SCHERER ASH POND-CCR MONITORING WELL

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.02	0.02

RSL = REGIONAL SCREENING LEVEL
MCL = MAXIMUM CONTAMINANT LEVEL
GWPS = GROUNDWATER PROTECTION STANDARD
N/R = NOT REPORTED

NOTES
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

2. THE GREEN ISOCONTOUR IS THE APPROXIMATE EXTENT OF COBALT ABOVE 0.02 MG/L IN GROUNDWATER AND IS BASED ON THE AVAILABLE DATA FROM SURROUNDING WELLS AND PIEZOMETERS SHOWN ON THE FIGURE.

3. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED IN FEBRUARY 2022.

REFERENCE
1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).

2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.

100 50 0 100
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER

Georgia Power

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

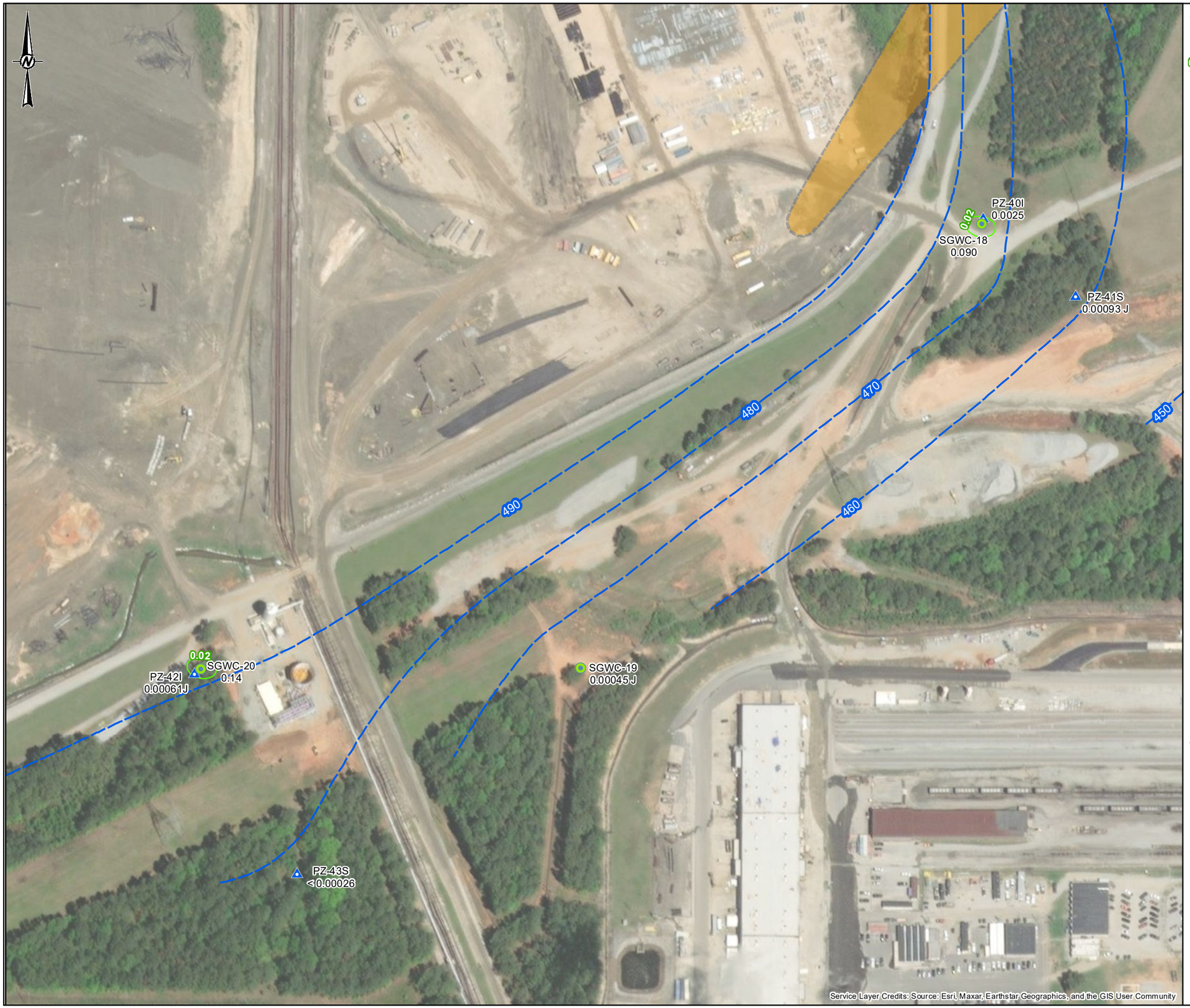
TITLE
INSET B COBALT ISOCONCENTRATION MAP
FEBRUARY 2022

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	
APPROVED	

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021I006-GIS.mxd	0	**4B**

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSI B
1in
0



LEGEND

- GROUNDWATER ELEVATION CONTOUR (FT. NAVD) - (FEBRUARY 2022)
- 0.02 ISOCONCENTRATION CONTOUR
- ASSESSMENT WELL
- SCHERER ASH POND-CCR MONITORING WELL
- DIORITE SILL (OZpd)

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.02	0.02

RSL = REGIONAL SCREENING LEVEL
MCL = MAXIMUM CONTAMINANT LEVEL
GWPS = GROUNDWATER PROTECTION STANDARD
N/R = NOT REPORTED

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

2. THE GREEN ISOCONTOUR IS THE APPROXIMATE EXTENT OF COBALT ABOVE 0.02 MG/L IN GROUNDWATER AND IS BASED ON THE AVAILABLE DATA FROM SURROUNDING WELLS AND PIEZOMETERS SHOWN ON THE FIGURE.

3. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED IN FEBRUARY 2022. J FLAGS INDICATE ESTIMATED VALUE.

4. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

REFERENCE

1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).

2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.

200 100 0 200
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER

Georgia Power

PROJECT
2022 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT
PLANT SCHERER ASH POND 1

TITLE
INSET C COBALT ISOCONCENTRATION MAP
FEBRUARY 2022

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-07-05
PREPARED	DJC
DESIGN	DLP
REVIEW	
APPROVED	

PROJECT No.	CONTROL	Rev.	FIGURE
GL166235021	GL166235021I007-GIS.mxd	0	**4C**

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

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